

Social networks in ethnic relations: New perspectives on integration research¹

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Introduction

The integration of newcomers entails the formation of relationships between natives of the host country and members of these new minority groups. In fact, integration policies in Western Europe have increasingly focused on this “social integration” instead of only stimulating “structural integration” into the local job market or educational system because social relationships facilitate language acquisition and the understanding of the local culture and procedures (Collet & Petrovic, 2014). Accordingly, it comes as no surprise that integration researchers have long focused on the consequences of social relationships, such as friendships, between members of majority and minority groups. For instance, already in the 1940s/1950s were theories developed that predicted that this “intergroup contact” would reduce negative stereotypes about minority groups and promote positive intergroup relations (Allport, 1954; Williams Jr., 1947). Despite this long tradition, research on intergroup contact continues to produce new insights, such as into the role of negative contact experiences (Schäfer et al., 2021), contact through mass media (Zhou et al., 2019) or imagined contact experiences (Miles & Crisp, 2013).

Another strand of research does not explore the consequences of interethnic relations but the factors that facilitate or prevent the formation of such relations.

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Most of this work departs from the framework of opportunities, preferences, and third parties (Kalmijn, 1998). The idea is that people have interethnic contact if they find themselves in contexts where they have the chance to interact with members of other ethnic groups (opportunities), if they want to have such interactions (preferences), and if relevant others (third parties) accept such interactions (Damen et al., 2021). Research has generally found support for this framework. For instance, interethnic contact was more likely in ethnically more diverse workplaces (opportunities; Kokkonen et al., 2015), among people with less prejudice toward the ethnic outgroup (preferences; Binder et al., 2009), and among secondary school students if their parents approved of the contact (third parties; Munniksma et al., 2012).

Many of the central concepts in research on intergroup relations such as interpersonal relationships, opportunities to interact, preferences for interactions, and third parties, reflect dynamics in social networks. Yet, only very recently have researchers realized that thinking about the role of social networks and applying a social network analysis approach may be helpful in understanding integration. For instance, the extended contact hypothesis posits that having indirect contact with an outgroup member, for instance by having an ingroup friend in common, also leads to less prejudice (Wright et al., 1997; Zhou et al., 2019). Although this hypothesis is more or less explicitly about a social network process (triadic closure: a friend of a friend is a friend), this realization has entered the literature only relatively late (Munniksma et al., 2013). And by modeling extended contact explicitly with social network data, Stark (2020) could recently show that indirect contact is only associated with less prejudice if people also have direct contact with an outgroup member.

Making the role of social networks and the processes that take place within these networks explicit by analyzing either ego-centric network data or whole (complete) network data (see Box 1) can highlight shortcomings of earlier work and often offers a new perspective on intergroup relations. For instance, most research on intergroup contact has overlooked that this contact takes place in social networks and is thus not independent from each other. In other words, it does not only matter with whom you have contact, but also with whom your peers within your network have contact. One ego-centric network study (see Box 1) found that intergroup contact has a weaker effect on prejudice if your ingroup friends are also friends with your outgroup friends (Stark, 2016). Perhaps the ethnic outgroup membership is less salient if such an intergroup friendship is part of a dense social network. Moreover, your ingroup friends who are less prejudiced because they have outgroup friends may influence your intergroup attitudes (Zingora et al., 2020). This social influence may be the reason why

extended contact has been found to change perceived ingroup norms (“we like them”) and outgroup norms (“my friend told me that they like us”), and also why extended contact affects psychological factors such as less stress or anxiety about future interactions with the outgroup (Zhou et al., 2019). Social influence may also work in the opposite direction. Recent network research with whole network data (see Box 1) showed that friends’ influence is a stronger predictor of attitudes toward an outgroup than having contact with a member of this group (Bracegirdle et al., 2021). Hence, reducing prejudice is not just about having contact with minority members; it is more important that your friends approve of the outgroup to achieve attitude change.

Box 1: Social network data

- Social networks consist of a set of actors (called nodes) who are connected via relations (called ties or edges).
- Relations in a social network can be undirected (e.g., mutual friendships) or directed (e.g., emotional support).
- *Ego-centric network* studies ask their respondents (called egos) for the names of their social contacts (called alters) and then ask the respondents follow-up questions about these alters (e.g., their ethnicity) and the network structure (e.g., which alters know each other). The alters are typically not interviewed.
- *Whole network* studies interview all members of a social context (e.g., a school class) about their own characteristics (e.g., their ethnicity) and their relationships with all other members of the context. The whole social network is then constructed from each person’s self-reported ties.

Also the structure of a social network can affect individual outcomes. For instance, that less prejudiced people are more likely to form friendships with ethnic outgroup members may look like a preference for intergroup contact (Binder et al., 2009), but it can also be the consequence of a network process. A whole network study showed that those with less prejudice tend to befriend ingroup members who already have outgroup friends and subsequently befriend the outgroup friends of their ingroup friends (triadic closure) (Stark, 2015). Hence, less prejudiced people do not seek out intergroup contact, but they are more likely to meet outgroup members.

These examples show how highlighting social network mechanisms can help us understand the interdependence and complexity of social processes that affect integration dynamics. In the following, we will discuss several research streams (identity formation, acting white, and social support) in which intergroup relations are analyzed from a social network perspective. We show how making the role of social networks explicit has led to new insights in research on intergroup

relations. Moreover, we discuss existing research gaps and highlight avenues for future research.

National identity formation

Social identity theory holds that people strive to belong to and identify with a social category that is evaluated as being distinct and positive in comparison to other categories (Tajfel & Turner, 1979, 1986). Yet, many (grand)children of immigrants who grew up in European countries struggle to find their place between the culture of their parents and the West (Roy, 2004). A majority of the second and third-generation immigrants express a sense of belonging to both the ethnic group of their parents (ethnic identification) and the country of settlement (national identification) (Fleischmann & Phalet, 2018).² However, experiences of discrimination, structural inequalities, and exclusion in European societies suggest to many of them that they do not truly belong to the national category (Verkuyten, 2018).

Highlighting the importance of “social integration” that we mentioned above, a central finding in this literature is that ethnic minority members who have more relationships with the native majority group tend to identify more strongly with the national category (de Vroome et al., 2014; Munniksma et al., 2015; Phinney et al., 2006). Yet, the causal order behind this association remained unknown for a long time. Did ethnic minority members first form relationships with majority members and adjusted their identification due to this experience? Or did ethnic minority members who identified more strongly with the national category seek out friendships with majority members? Or, also possible, were majority members more open to friendships with ethnic minority members who identified more strongly with the national category?

Traditional research methods cannot disentangle these processes because they are often unobserved and happen simultaneously. Moreover, alternative social processes may affect friendship formation that may lead to an overestimation of the importance of people’s preferences (Wimmer & Lewis, 2010). For instance, a majority group member may befriend a minority member due to this person’s strong national identity. Subsequently, the majority group member will get to know the new friend’s minority friends and perhaps also befriend them. These latter friendships are driven by a social network process (triadic closure: a

² We use the term “ethnic” in Weber’s (1968 [1922]) sense of the belief in common descent and ancestry. In the European context, the “native” population is then also an ethnic group similar to other ethnic (minority) groups. For instance, the label “Dutch” refers to both the ethnic group of Dutch “natives” and the national group in the Netherlands.

friend of a friend is a friend) and not by national identification. To draw accurate conclusions about the importance of national identity for friendship formation, such network processes need to be accounted for (Leszczensky & Stark, 2019).

Social network analysis (see Box 2), and particularly longitudinal stochastic actor-oriented models based on whole network data, enable researchers to disentangle social influence from selection processes (preferences), while simultaneously accounting for the opportunity for interethnic friendships and the role of social network processes such as triadic closure (Snijders et al., 2010). Recent social network research has then also been able to provide some insights into the causal process underlying the association between ethnic minority members' national identification and their interethnic friendships (for an overview see, Leszczensky et al., 2019). The first study on this topic using whole network data found that Dutch majority group classmates based their friendship choices, in part, on national identification as they were more likely to befriend minority classmates who identify more strongly with the nation (Leszczensky et al., 2016). Another whole network study (see Box 1) in Germany found that minority members with stronger national identification were more likely to befriend majority members, but only if they had sufficient opportunity to choose among many majority peers (Leszczensky, 2018). Importantly, none of these longitudinal social network studies found evidence that interethnic friendships influence people's national identity. Identification with the national category seems to be a prerequisite for social integration and not a consequence of it.

Box 2: Social network analysis

- There are broadly two types of social network analysis.
- The first type treats networks as independent variables. Characteristics of people's networks (e.g., how dense it is), their position in the network (e.g., how central people are), or relationships in the network (e.g., how many ethnic minority contacts people have) are measured and used to explain individual outcomes in standard statistical models (e.g., linear regression).
- The second type of social network analysis treats networks as dependent variables and explains why certain relationships exist (e.g., interethnic ties), why they change over time, or how they affect behavior over time (influence).
- People are influenced by their network contacts in their behavior (e.g., friends start smoking when their friends smoke) and relationships (e.g., a friend of a friend is a friend). This is why treating networks as the dependent variable violates the basic assumption of statistical regression methods that observations are independent of each other. Advanced statistical methods have been developed to account for these dependencies in cross-sectional analysis (e.g., exponential random-graph models) and longitudinal analysis (e.g., stochastic actor-oriented models).

In line with social identity theory, a study relying on whole-network data recently pointed out that the preference for friends with a certain level of ethnic (not national) identification depends on people's own strength of ethnic identification: high identifiers prefer friends who also strongly identify whereas low identifiers avoid high identifiers as friends (Leszczensky & Pink, 2019). Future research should extend this relational approach to the study of national identity and explore if the strength of self-identification is also important for the formation of interethnic friendships. Other research with whole social networks in Greece highlighted that selection and influence processes among minority and majority members can differ for different dimensions of national identity (Umaña-Taylor et al., 2020). For instance, higher national identity resolution (i.e., the sense of clarity regarding their national identity) increased the likelihood of being chosen as a friend whereas friends were found to influence the extent of each other's national identity exploration (i.e., to what extent they had tried to learn more about the national society). To get a better understanding of these different aspects of identity formation and their association with social integration, more social network research is needed that can disentangle processes of social selection and social influence.

Perceived ethnic identity

Identifying with an ethnic or national group is one thing, a completely different question is to what extent this self-identification is recognized by others (Verkuyten, 2018). Research found that perception of others' ethnicity depends on the context in which people interact (Chen et al., 2018) and can vary between individual perceivers (Saperstein & Penner, 2012). Unfortunately, the literature has documented extensively that biracial people and people with a migration background who also identify with the national category (i.e., dual identifiers) often feel not recognized as majority group members (Kang & Bodenhausen, 2015; Pauker et al., 2018). This experience of "identity denial" by majority group members has been linked to poorer mental health outcomes (Albuja et al., 2019) and affects dual and national/majority identification (Cárdenas et al., 2021). While this research into perceived identity denial based on regular survey data is valuable, it leaves open the question of who denies others an identity, whether people are actively denying an identity, and why this is the case.

Self-categorization theory (Turner, 1985) states that social identities are context-dependent and, accordingly, that the subjective salience of one's ethnic, national, or dual identity varies depending on where one is and who is around. Dual identifiers are often not inclined to highlight their dual belonging because

dual identification can raise concerns about group loyalty (Kunst et al., 2019; Verkuyten, 2018). For instance, dual identifiers have been found to adjust the expression of their identity to the person they are interacting with (Barreto et al., 2003; Gaither et al., 2015). And dual identifiers have been found to often keep their social networks ethnically segregated by interacting separately with friends from the ethnic and national groups (Nibbs, 2016; Repke & Benet-Martínez, 2018). In fact, people's perceptions of others' ethnic/national identifications often do not align with the self-identifications of those others (Boda & Néray, 2015; Roth, 2016). But given the flexibility and context-dependency of dual identities, it is not clear that not recognizing a claim to a dual identity reflects an act of denial.

The social network perspective offers a novel approach to understanding who is recognizing dual identifiers and why they might be inclined to (not) do so. We would like to illustrate the novel insights the network perspective can generate with a small proof-of-concept trial that we conducted among a highly ethnically diverse sample of young adults from two vocational training schools in the Netherlands ($N=54$, mean age=18.9). Using a whole networks approach, we found large disparities between the self-identification of dual identifiers and others' perceptions. Students were asked to self-identify with one or more ethnic groups and to indicate to which ethnic groups (one or more) each of their classmates belonged. 60.1% of the sample had a migration background and 46.2% self-identified both as a Dutch national majority group member and a member of an ethnic minority group. However, only 15% were perceived to be dual identifiers.

Even students who were themselves dual identifiers classified only 20.3% of their dual identifying classmates as dual identifiers (see the first bar in Figure 1). Instead, they were about equally likely to perceive them as ethnic minority (40.6%) or national majority group members (39.1%). Dutch majority group members identified the highest percentage (26.5%) of the dual identifiers as such. In contrast, students who identified only with an ethnic minority group were the least likely to recognize the dual identifiers (6.9%).

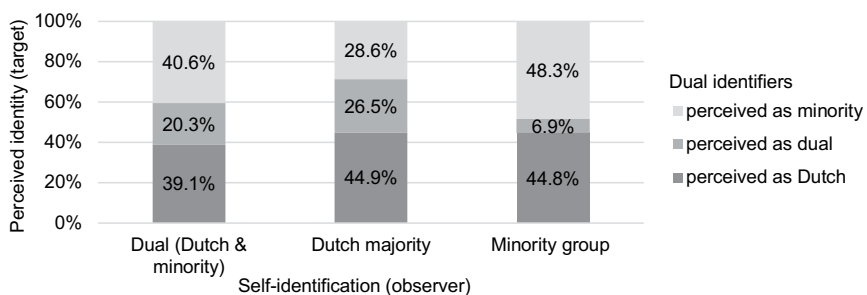


Figure 1: Perceived identity of classmates who identified as dual (Dutch national majority & ethnic minority) by ethnic self-identification of the observer.

These results highlight the difficulty of using others' self-reports of their ethnic identity in the study of interethnic relations (Boda, 2019; Roth, 2016). Self-identification is subjective and context-dependent (Fleischmann & Verkuyten, 2016; Verkuyten, 2018), and someone can identify dual and yet behave in a way that highlights more their ethnic or national identity in a given situation. For instance, a Turkish-Dutch student could identify as dual but highlight her Turkish identity in school to fit into her group of friends with a Turkish background (Van de Weerd, 2020). Accordingly, what looks like a misrecognition might actually be an accurate perception of the context-dependent ethnic identity that does not reflect all aspects of a person's self-identification. Future research could use this network approach to reveal mismatches of context-specific ethnic identities. Such social network studies would allow teasing apart who is recognizing dual identifiers and the circumstances under which this explains feelings of identity denial.

The network approach to perceived ethnic identity could also be used to overcome the assumption of most previous work that others' ethnic background or ethnic self-identification is generally known. That is, many network researchers determine ethnicity by the self-reported country of birth of participants' parents (e.g., Leszczensky & Pink, 2019; Stark et al., 2015) or participants' self-identification (e.g., Stark et al., 2017) and then assume that all other network members are aware of it. However, a small number of social network studies using data from Hungary have shown that the perceived ethnicity of others is more strongly related to positive and negative interpersonal relationships such as friendships (Boda & Néray, 2015) and bullying (Kisfalusi et al., 2020), than ethnic self-reports. Thus far, these studies are limited to one minority group (Roma in Hungary) and more network research is needed to find out whether this finding applies to the multi-ethnic context of other European countries.

Acting white

Identity denial has also been the focus of oppositional culture theory (Fordham & Ogbu, 1986; Ogbu, 1978) in the realm of academic achievement research among minority students. The theory maintains that experiences of discrimination and structural disadvantages convince some minority students that achieving a high education will not pay off. These students consider high grades in school a characteristic of the majority group and develop an oppositional culture in which positive school norms are rejected. Other minority students who endorse positive school norms are considered traitors to the minority because they adopt the majority norm. In the United States, where oppositional culture theory

was developed, some Black minority students have been found to consider academically successful Black peers to be “acting white” (Downey, 2008). Sometimes these successful Black students are called “Oreos” (being “black” on the outside but “white” on the inside) (Tyson et al., 2005). Oppositional culture theory thus predicts that low-performing minority students befriend others with similar low grades and reject high achieving peers more so than majority students would do. Moreover, low-performing minority students should influence their peers to also have poor grades whereas high achievers should exert much less influence.

Despite being around for decades, without social network analysis, oppositional culture theory had, until recently, never been properly tested. The reason is that, just like in research on national identity (see above), traditional methods of statistical analysis could not tease apart processes of opportunities, friendship selection, and social influence. First, because minority students are typically also a numeric minority in their school, they tend to have fewer opportunities to make ingroup friends who are high achievers than majority group students (Flashman, 2012b). Second, the homophily principle highlights that people prefer to befriend those who are like them (McPherson et al., 2001). This leads to a preference for friends with the same ethnic background (Leszczensky & Pink, 2015; Stark & Flache, 2012) and also a preference for peers who perform similarly in school (Flashman, 2012a; Quillian & Campbell, 2003). Third, research has also shown that friends influence each other’s performance in school (Kindermann, 2007; Rambaran et al., 2017). Since all three processes can lead to similar outcomes (friendship groups of low achieving minority students), social network analysis is needed to test which process underlies such data patterns.

Social network research found little evidence for the “acting white” proposition of oppositional culture theory. A study in the U.S. that accounted for minority students’ opportunity to befriend ingroup peers found that minority and majority students were equally likely to form friendships with high-achieving peers (Flashman, 2012b). One network study analyzing whole network data in Germany found that minority students were less likely to select friends with higher grades than majority group students (Stark et al., 2017). However, this effect was mainly driven by a preference of majority group students to befriend high achieving peers. In contrast to the prediction of oppositional culture theory, minority students did not reject ingroup peers with high grades, they just seemed to care less. Another German whole network study found that both German majority and Turkish minority students preferred high-achieving peers as friends, but Turkish students had fewer of them because they had fewer opportunities to select peers with good grades (Lorenz et al., 2021). This research also found that

majority and not minority group students socially excluded those who reported high effort in school.

More research is needed to understand the causes and consequences of differential preferences and social influence on academic achievement between minority and majority group students. The two German network studies suggest that different processes drive the friendship formation in these groups (Lorenz et al., 2021; Stark et al., 2017). To some extent, this seems to be driven by the ethnic composition of schools. More research is needed that explores minority students' friendship choices in contexts where they have sufficient opportunity to form same-ethnic friendships. Moreover, differences are likely to exist between different minority groups in their aspiration for high education as, for instance, parents' (third parties) reason for migrating might lead to variation in the focus on upward mobility. Research comparing social networks of racial groups in the U.S. and different ethnic minorities in European countries could shed light on this possibility.

Social support among migrant networks

A common explanation for the benefits of certain networks or social relationships is that they provide social support in terms of information, but also financial support or emotional support, which are expected to facilitate ethnic minorities' integration chances. Because of its positive connotation, social support is also often framed as 'informal social protection' (Bilecen, 2017; Bilecen et al., 2018). Although recent research acknowledges the relevance of transnational social protection offered across borders (Bilecen & Cardona, 2018; Bilecen & Lubbers, 2021; Faist et al., 2015), the large majority of research focuses on social protection mechanisms within the country where immigrants settled. One of the most prominent examples is the theoretical distinction between bonding ties to co-ethnics and bridging ties to natives. Bonding ties are expected to enhance solidarity and trust (Portes & Sensenbrenner, 1993) and to provide access to trusted information (Flap, 2004). Bridging ties reflect social integration in the host country (Collet & Petrovic, 2014) and are expected to provide access to non-redundant information that can enhance ethnic minorities' integration chances (Lancee, 2010). Generally, the literature finds strong support that particularly bridging ties are beneficial for ethnic minorities: they increase migrants' chances of (adequate) employment (Griesshaber & Seibel, 2015) and psychological and sociocultural adjustment (Repke & Benet-Martínez, 2018). Natives not only possess more human capital in terms of higher education, language skills, and a higher likelihood of employment (Lancee, 2010; Li & Heath, 2017); they possess

a cultural familiarity with the host country, thereby accumulating host-country specific knowledge which is assumed to be valuable to ethnic minorities.

Whereas conventional research focusing on interethnic relations is not able to assess the amount and quality of social support exchanged between and within ethnic groups, social network analysis can provide new and insightful perspectives on these matters. First, social network analysis can assess whether it is the ethnicity that matters for providing social support or other characteristics that are strongly tied to certain ethnic groups, such as education, language skills, or access to resources. Second, social network analysis helps us to understand whether it is not only specific relationships that matter but also the network structure in which these relationships are embedded. For instance, larger networks might provide different resources than smaller networks and it might matter with which other groups of people within the network one's friends have contact. Third, by applying a social network approach, we come much closer to the content and the quality of social support, which is exchanged within social networks. With social network analysis, we can understand, for example, which type of support is provided by whom and whether the exchange of social support depends on reciprocal behavior (Faist et al., 2015). In addition, social network analysis can identify network structures that are particularly suited (or not suited) to provide specific types of resources. As Bilecen and Lubbers (2021) put it, a “network that gives emotional support may [...] be differently composed than a communication network” (p.839).

The questions of which social networks are most valuable to migrants and why this is the case have been addressed by only a few social network researchers. Such research explored the role of certain positions that people can occupy in a network (see Box 2). For instance, “brokers” connect otherwise unconnected social networks and can thus control the information that flows between these networks (Burt, 2004). Vacca and colleagues (2018) examined ego-centric networks among various migrant groups in Spain and Italy and found that cultural adaptation is facilitated by contacts that serve as brokers between various networks that differ in their ethnic and geographical composition. Brokers thereby provide migrants with access to cultural entities and identities, which otherwise would be not accessible to them. Research also found that the overall structure of a social network matters. Migrants' economic outcome depends strongly on their access to networks characterized by “diversity within closure”. According to Vacca et al. (2018), diversity and closure combine two relevant and beneficial aspects of networks: mutual trust and reciprocal social support from closed networks and access to people of various nationalities and geographical backgrounds, thereby facilitating the exchange of trusted, but non-redundant, information.

Bilecen and Cardona (2018), also analyzing ego-centric network data, focused on social support within networks of Turkish migrants in Germany. The type of social support provision and reception did not only depend on migrants' gender, but also their age and location. Women were more likely to provide social support than men and family ties were mainly responsible for providing support in the form of money and also care. This finding was also shared by Kornienko et al. (2018) who examined the financial and emotional support in close personal ties among Central Asian migrant women in Russia. Vacca et al. (2021) confirmed for Roma migrants in France the finding that both emotional and financial support is a family matter; however, native ties also play a crucial role, particularly in providing legal and administrative support. Vacca et al. (2021) also found that most ties provide only one type of support (such as financial support or legal support) and are not involved in multiple support domains.

Whereas the studies mentioned above look at general support mechanisms, Bojarczuk and Mühlau (2018) focused on a very specific type of support, namely childcare, by analyzing ego-centric networks of Polish migrant mothers living in Dublin, Ireland. Again, transnational ties played a crucial role: although access to family members living in the home country was strongly limited by the geographical distance, part of this disadvantage was "compensated by the strength of these transnational ties" (p.109). In the case of childcare, strong ties living in Poland, particularly grandmothers, were involved in childcare provision in Ireland by commuting back and forth between these two countries. Moreover, local networks consisting of both, native and co-ethnic ties also served as 'safety nets', particularly when migrant parents were spontaneously in need of childcare due to unforeseen circumstances.

These studies demonstrate that it is worthwhile to go beyond the bonding-bridging aspect applied in much of the contemporary social capital research. By having a closer look at the relation between network structure, network composition, and social ties characteristics, social network analysts can evaluate the value of these social relations, particularly for the social support they provide within networks.

So far, most research focuses on the potential gains for migrants when they engage in certain networks (what resources can they access and are they beneficial?). Future research should focus on natives' incentive to get in contact with migrants and whether natives also receive social support from the migrant community. In addition, most of these studies focus on very specific migrant groups such as Polish migrant mothers (Bojarczuk & Mühlau, 2018), Roma migrants in France (Vacca et al., 2021), or Turkish migrants in Germany (Bilecen & Cardona, 2018). A comparative approach examining various migrant groups,

such as followed by Vacca et al. (2021) can contribute to our understanding of the relevance of the national and ethnic-related context, within which social networks are embedded. In addition, most of the existing studies rely on rather small samples ranging from 100 respondents (Bilecen & Cardona, 2018) to 607 respondents (Kornienko et al., 2018). This is a natural consequence of social network data collection, which is burdensome to both, the researcher and the respondent. However, recent developments of visualized network-data collection tools such as GENSI (Stark & Krosnick, 2017) and Network Canvas (Birkett et al., 2021) provide a promising alternative to previous options of tedious and repetitive data collection approaches. These tools are specifically designed to survey complex personal networks by visualizing their structure and using drag-and-drop functions to answer questions about the network. This reduces respondents' participation burden significantly (Stark & Krosnick, 2017). Such visualization tools can strengthen researchers' capability to examine social networks of different migrant groups in various countries.

Conclusion

This chapter has highlighted how the social network perspective can provide new insights into well-established domains of intergroup relation research. The past decade has seen an increasing number of social network analyses that enabled social scientists to think differently about intergroup contact, identity formation, perceived identity, identity denial, social influence, and social support exchange. Yet, for each domain, we have identified open questions and provided directions for future research that hopefully will inspire researchers to embrace the network perspective in their own work.

References

- Albuja, A. F., Sanchez, D. T., & Gaither, S. E. (2019). Identity Questioning: Antecedents and Consequences of Prejudice Attributions. *Journal of Social Issues, 75*(2), 515-537. <https://doi.org/10.1111/JOSI.12322>
- Allport, G. W. (1954). *The nature of prejudice*. Addison-Wesley.
- Barreto, M., Spears, R., Ellemers, N., & Shahinper, K. (2003). Who wants to know? The effect of audience on identity expression among minority group members. *British Journal of Social Psychology, 42*(2), 299-318. <https://doi.org/10.1348/014466603322127265>
- Bilecen, B. (2017). Home-making practices and social protection across borders: an example of Turkish migrants living in Germany. *Journal of Housing and the Built Environment, 32*(1), 77-90. <https://doi.org/10.1007/s10901-015-9490-1>
- Bilecen, B., & Cardona, A. (2018). Do transnational brokers always win? A multilevel analysis of social support. *Social Networks, 53*, 90-100. <https://doi.org/10.1016/j.socnet.2017.03.001>

- Bilecen, B., Gamper, M., & Lubbers, M. J. (2018). The missing link: Social network analysis in migration and transnationalism. *Social Networks*, 53, 1-3. <https://doi.org/10.1016/J.SOCNET.2017.07.001>
- Bilecen, B., & Lubbers, M. J. (2021). The networked character of migration and transnationalism. *Global Networks*, 21(4), 837-852. <https://doi.org/10.1111/glob.12317>
- Binder, J., Zagefka, H., Brown, R., Funke, F., Kessler, T., Mummendey, A., Maquil, A., Demoulin, S., & Leyens, J.-P. (2009). Does contact reduce prejudice or does prejudice reduce contact? A longitudinal test of the contact hypothesis among majority and minority groups in three European countries. *Journal of Personality and Social Psychology*, 96(4), 843-856. <https://doi.org/10.1037/a0013470>
- Birkett, M., Melville, J., Janulis, P., Phillips, G., Contractor, N., & Hogan, B. (2021). Network Canvas: Key decisions in the design of an interviewer-assisted network data collection software suite. *Social Networks*, 66, 114-124. <https://doi.org/10.1016/J.SOCNET.2021.02.003>
- Boda, Z. (2019). Friendship Bias in Ethnic Categorization. *European Sociological Review*, 35(4), 567-581. <https://doi.org/10.1093/esr/jcz019>
- Boda, Z., & Néray, B. (2015). Inter-ethnic Friendship and Negative Ties in Secondary School. *Social Networks*, 43, 57-72. <https://doi.org/10.1016/j.socnet.2015.03.004>
- Bojarczuk, S., & Mühlau, P. (2018). Mobilising social network support for childcare: The case of Polish migrant mothers in Dublin. *Social Networks*, 53, 101-110. <https://www.sciencedirect.com/science/article/pii/S037887331630079X>
- Bracegirdle, C., Reimer, N. K., van Zalk, M., Hewstone, M., & Wölfer, R. (2021). Disentangling contact and socialization effects on outgroup attitudes in diverse friendship networks. *Journal of Personality and Social Psychology*, in press. <https://doi.org/10.1037/pspa0000240>
- Burt, R. S. (2004). Structural holes and good ideas. *American Journal of Sociology*, 110(2), 349-399. <https://doi.org/10.1086/421787>
- Cárdenas, D., Verkuyten, M., & Fleischmann, F. (2021). "You are too ethnic, you are too national": Dual identity denial and dual identification. *International Journal of Intercultural Relations*, 81, 193-203. <https://doi.org/10.1016/j.ijintrel.2021.01.011>
- Chen, J. M., de Paula Couto, M. C. P., Sacco, A. M., & Dunham, Y. (2018). To Be or Not to Be (Black or Multiracial or White): Cultural Variation in Racial Boundaries. *Social Psychological and Personality Science*, 9(7), 763-772. <https://doi.org/10.1177/1948550617725149>
- Collet, E., & Petrovic, M. (2014). *The Future of Immigrant Integration in Europe: Mainstreaming Approaches for Inclusion*. Migration Policy Institute Europe.
- Damen, R. E. C., Martinovic, B., & Stark, T. H. (2021). Explaining the relationship between socio-economic status and interethnic friendships: The mediating role of preferences, opportunities, and third parties. *International Journal of Intercultural Relations*, 80, 40-50. <https://doi.org/10.1016/j.ijintrel.2020.11.005>
- de Vroome, T., Martinovic, B., & Verkuyten, M. (2014). The integration paradox: level of education and immigrants' attitudes towards natives and the host society. *Cultural Diversity & Ethnic Minority Psychology*, 20, 166-175. <https://doi.org/10.1037/a0034946>
- Downey, D. B. (2008). Black/white differences in school performance. The oppositional culture explanation. *Annual Review of Sociology*, 34, 107-126. <https://doi-org.proxy.library.uu.nl/10.1146/annurev.soc.34.040507.134635>
- Faist, T., Bilecen, B., Bargłowski, K., & Sienkiewicz, J. J. (2015). Transnational Social Protection: Migrants' Strategies and Patterns of Inequalities. *Population, Space and Place*, 21(3), 193-202. <https://doi.org/10.1002/psp.1903>

- Flap, H. (2004). Creation and returns of social capital. In H. Flap & B. Völker (Eds.), *Creation and Returns of Social Capital: A New Research Program* (pp. 3-23). Routledge.
- Flashman, J. (2012a). Academic Achievement and Its Impact on Friend Dynamics. *Sociology of Education*, 85(1), 61-80. <https://doi.org/10.1177/0038040711417014>
- Flashman, J. (2012b). Different preferences or different opportunities? Explaining race differentials in the academic achievement of friends. *Social Science Research*, 41(4), 888-903. <https://doi.org/10.1016/j.ssresearch.2012.03.001>
- Fleischmann, F., & Phalet, K. (2018). Religion and National Identification in Europe: Comparing Muslim Youth in Belgium, England, Germany, the Netherlands, and Sweden. *Journal of Cross-Cultural Psychology*, 49(1), 44-61. <https://doi.org/10.1177/0022022117741988>
- Fleischmann, F., & Verkuyten, M. (2016). Dual identity among immigrants: Comparing different conceptualizations, their measurements, and implications. *Cultural Diversity and Ethnic Minority Psychology*, 22(2), 151-165. <https://doi.org/10.1037/cdp0000058>
- Fordham, S., & Ogbu, J. U. (1986). Black students' school success: Coping with the "burden of acting white". *The Urban Review*, 18(3), 176-206.
- Gaither, S. E., Cohen-Goldberg, A. M., Gidney, C. L., & Maddox, K. B. (2015). Sounding Black or White: Priming identity and biracial speech. *Frontiers in Psychology*, 6(MAR). <https://doi.org/10.3389/fpsyg.2015.00457>
- Griesshaber, N., & Seibel, V. (2015). Over-education among immigrants in Europe: The value of civic involvement. *Journal of Ethnic and Migration Studies*, 41(3), 374-398. <https://doi.org/10.1080/1369183X.2014.915192>
- Kalmijn, M. (1998). Inter-marriage and Homogamy: Causes, Patterns, Trends. *Annual Review of Sociology*, 24, 395-421.
- Kang, S. K., & Bodenhausen, G. V. (2015). Multiple identities in social perception and interaction: Challenges and opportunities. *Annual Review of Psychology*, 66, 547-574. <https://doi.org/10.1146/annurev-psych-010814-015025>
- Kindermann, T. A. (2007). Effects of naturally existing peer groups on changes in academic engagement in a cohort of sixth graders. *Child Development*, 78, 1186-1203. <https://doi.org/10.1111/j.1467-8624.2007.01060.x>
- Kisfalusi, D., Pál, J., & Boda, Z. (2020). Bullying and victimization among majority and minority students: The role of peers' ethnic perceptions. *Social Networks*, 60, 48-60. <https://doi.org/10.1016/j.socnet.2018.08.006>
- Kokkonen, A., Esaiasson, P., & Gilljam, M. (2015). Diverse Workplaces and Interethnic Friendship Formation—A Multilevel Comparison across 21 OECD Countries. *Journal of Ethnic and Migration Studies*, 41(2), 284-305. <https://doi.org/10.1080/1369183X.2014.902300>
- Kornienko, O., Agadjanian, V., Menjivar, C., & Zotova, N. (2018). Financial and emotional support in close personal ties among Central Asian migrant women in Russia. *Social Networks*, 53, 125-135. <https://doi.org/10.1016/J.SOCNET.2017.04.006>
- Kunst, J. R., Thomsen, L., & Dovidio, J. F. (2019). Divided loyalties: Perceptions of disloyalty underpin bias toward dually-identified minority-group members. *Journal of Personality and Social Psychology*, 117(4), 807-838. <https://doi.org/10.1037/pspi0000168>
- Lancee, B. (2010). The Economic Returns of Immigrants' Bonding and Bridging Social Capital: The Case of the Netherlands. *International Migration Review*, 44(1), 202-226. <https://doi.org/10.1111%2Fj.1747-7379.2009.00803.x>
- Leszczensky, L. (2018). Young immigrants' host country identification and their friendships with natives: Does relative group size matter? *Social Science Research*, 70, 163-175. <https://doi.org/10.1016/j.ssresearch.2017.10.012>

- Leszczensky, L., Jugert, P., & Pink, S. (2019). The Interplay of Group Identifications and Friendships: Evidence from Longitudinal Social Network Studies. *Journal of Social Issues*, 75(2), 460-485. <https://doi.org/10.1111/josi.12321>
- Leszczensky, L., & Pink, S. (2015). Ethnic Segregation of Friendship Networks in School: Testing a Rational Choice Argument of Differences in Ethnic Homophily between Classroom- and Grade-Level Networks. *Social Networks*, 42(1), 18-26. <https://doi.org/10.1016/j.socnet.2015.02.002>
- Leszczensky, L., & Pink, S. (2019). What Drives Ethnic Homophily? A Relational Approach on How Ethnic Identification Moderates Preferences for Same-Ethnic Friends. *American Sociological Review*, 84(3), 394-419. <https://doi.org/10.1177/0003122419846849>
- Leszczensky, L., & Stark, T. H. (2019). Understanding the causes and consequences of segregation in youth's friendship networks: Opportunities and challenges for research. In P. F. Titzmann & P. Jugert (Eds.), *Youth in Superdiverse Societies: Growing up with Globalization, Diversity, and Acculturation* (pp. 233-248). Routledge.
- Leszczensky, L., Stark, T. H., Flache, A., & Munniksma, A. (2016). Disentangling the relation between young immigrants' host country identification and their friendships with natives. *Social Networks*, 44, 179-189. <https://doi.org/10.1016/j.socnet.2015.08.001>
- Li, Y., & Heath, A. (2017). The socio-economic integration of ethnic minorities. *Social Inclusion*, 5(1), 1-4. <https://doi.org/10.17645/SI.V5I1.943>
- Lorenz, G., Boda, Z., & Salikutluk, Z. (2021). Oppositional culture revisited. Friendship dynamics and the creation of social capital among Turkish minority adolescents in Germany. *Journal of Ethnic and Migration Studies*, 47(17), 3986-4005. <https://doi.org/10.1080/1369183X.2021.1898354>
- McPherson, M., Smith-Lovin, L., & Cook, J. M. (2001). Birds of a Feather: Homophily in Social Networks. *Annual Review of Sociology*, 27, 415-444.
- Miles, E., & Crisp, R. J. (2013). A meta-analytic test of the imagined contact hypothesis: <http://Dx.Doi.Org.Proxy.Library.Uu.Nl/10.1177/1368430213510573>, 17(1), 3-26. <https://doi.org/10.1177/1368430213510573>
- Munniksma, A., Flache, A., Verkuyten, M., & Veenstra, D. R. (2012). Parental acceptance of children's intimate ethnic outgroup relations: The role of culture, status, and family reputation. *International Journal of Intercultural Relations*, 36, 575-585. <https://doi.org/10.1016/j.ijintrel.2011.12.012>
- Munniksma, A., Stark, T. H., Verkuyten, M., Flache, A., & Veenstra, D. R. (2013). Extended intergroup friendships within social settings: The moderating role of initial outgroup attitudes. *Group Processes & Intergroup Relations*, 16(6), 752-770. <https://doi.org/10.1177/1368430213486207>
- Munniksma, A., Verkuyten, M., Flache, A., Stark, T. H., & Veenstra, R. (2015). Friendships and outgroup attitudes among ethnic minority youth: The mediating role of ethnic and host society identification. *International Journal of Intercultural Relations*, 44, 88-99. <https://doi.org/10.1016/j.ijintrel.2014.12.002>
- Nibbs, F. G. (2016). "Too white and didn't belong": The Intra-ethnic Consequences of Second-Generation Digital Diasporas. In F. G. Nibbs & C. B. Brettell (Eds.), *Identity and the Second Generation: How Children of Immigrants Find Their Space* (pp. 87-103). Vanderbilt University Press. <https://doi.org/10.2307/j.ctv16757q7.8>
- Ogbu, J. (1978). *Minority Education and Caste: The American System in Cross-Cultural Perspective*. Academic Press Inc.

- Pauker, K., Meyers, C., Sanchez, D. T., Gaither, S. E., & Young, D. M. (2018). A review of multiracial malleability: Identity, categorization, and shifting racial attitudes. *Social and Personality Psychology Compass*, 12(6), 1-15. <https://doi.org/10.1111/spc3.12392>
- Phinney, J. S., Berry, J. W., Vedder, P., & Liebkind, K. (2006). The acculturation experience: Attitudes, identities, and behaviors of immigrant youth. In J. W. Berry, J. S. Phinney, D. L. Sam, & P. Vedder (Eds.), *Immigrant youth in cultural transition: Acculturation, identity, and adaptation across national contexts* (pp. 71-116). Routledge.
- Portes, A., & Sensenbrenner, J. (1993). Embeddedness and Immigration: Notes on the Social Determinants of Economic Action. *American Journal of Sociology*, 98(6), 1320-1350. <https://doi.org/10.1086/230191>
- Quillian, L., & Campbell, M. E. (2003). Beyond Black and White: The Present and Future of Multiracial Friendship Segregation. *American Sociological Review*, 68, 540-566.
- Rambaran, A. J., Hopmeyer, A., Schwartz, D., Steglich, C., Badaly, D., & Veenstra, R. (2017). Academic Functioning and Peer Influences: A Short-Term Longitudinal Study of Network-Behavior Dynamics in Middle Adolescence. *Child Development*, 88(2), 523-543. <https://doi.org/10.1111/cdev.12611>
- Repke, L., & Benet-Martínez, V. (2018). The (Diverse) Company You Keep: Content and Structure of Immigrants' Social Networks as a Window Into Intercultural Relations in Catalonia. *Journal of Cross-Cultural Psychology*, 49(6), 924-944. <https://doi.org/10.1177/0022022117733475>
- Roth, W. D. (2016). The multiple dimensions of race. *Ethnic and Racial Studies*, 39(8), 1310-1338. <https://doi.org/10.1080/01419870.2016.1140793>
- Roy, O. (2004). *Globalized Islam: The search for a new ummah*. Columbia University Press.
- Saperstein, A., & Penner, A. M. (2012). Racial Fluidity and Inequality in the United States. *American Journal of Sociology*, 118(3), 676-727. <https://doi.org/10.1086/667722>
- Schäfer, S. J., Kauff, M., Prati, F., Kros, M., Lang, T., & Christ, O. (2021). Does negative contact undermine attempts to improve intergroup relations? Deepening the understanding of negative contact and its consequences for intergroup contact research and interventions. *Journal of Social Issues*, 77(1), 197-216. <https://doi.org/10.1111/josi.12422>
- Snijders, T. A. B., van de Bunt, G. G., & Steglich, C. E. G. (2010). Introduction to stochastic actor-based models for network dynamics. *Social Networks*, 32(1), 44-60. <https://doi.org/10.1016/J.Socnet.2009.02.004>
- Stark, T. H. (2015). Understanding the Selection Bias: Social Network Processes and the Effect of Prejudice on the Avoidance of Outgroup Friends. *Social Psychology Quarterly*, 78(2), 127-150. <https://doi.org/10.1177/0190272514565252>
- Stark, T. H. (2016). The density of social networks moderates effects of intergroup contact. *International Journal of Intercultural Relations*, 55, 133-147. <https://doi.org/10.1016/j.ijintrel.2016.10.004>
- Stark, T. H. (2020). Indirect contact in social networks: Challenging common interpretations of the extended contact hypothesis. *Group Processes & Intergroup Relations*, 23(3), 441-461. <https://doi.org/10.1177/1368430219846337>
- Stark, T. H., & Flache, A. (2012). The double edge of common interest: Ethnic segregation as an unintended byproduct of opinion homophily. *Sociology of Education*, 85(2), 179-199. <https://doi.org/https://doi.org/10.1177/0038040711427314>
- Stark, T. H., & Krosnick, J. A. (2017). GENSI: A new graphical tool to collect ego-centered network data. *Social Networks*, 48, 36-45. <https://doi.org/10.1016/j.socnet.2016.07.007>

- Stark, T. H., Leszczensky, L., & Pink, S. (2017). Are there differences in ethnic majority and minority adolescents' friendships preferences and social influence with regard to their academic achievement? *Zeitschrift Für Erziehungswissenschaft*, 20(3), 475-498. <https://doi.org/10.1007/s11618-017-0766-y>
- Stark, T. H., Maes, M., & Flache, A. (2015). Liking and disliking minority-group classmates: Explaining the mixed findings for the influence of ethnic classroom composition on interethnic attitudes. *Social Science Research*, 50, 164-176. <https://doi.org/10.1016/j.ssresearch.2014.11.008>
- Tajfel, H., & Turner, J. C. (1979). An integrative theory of intergroup conflict. In W. G. Austin & S. Worchel (Eds.), *The social psychology of intergroup relations* (pp. 33-48). Brooks/Cole.
- Tajfel, H., & Turner, J. C. (1986). The social identity theory of intergroup behaviour. In S. Worchel & W. G. Austin (Eds.), *Psychology of intergroup relations* (pp. 7-24). Nelson-Hall.
- Turner, J. C. (1985). Social categorization and the self-concept: A social cognitive theory of group behavior. In E. J. Lawler (Ed.), *Advances in Group Processes* (Vol. 2, pp. 77-121). JAI.
- Tyson, K., Castellino, D. R., & Darity, W. (2005). It's not "a black thing": Understanding the burden of acting white and other dilemmas of high achievement. *American Sociological Review*, 70(4), 582-605.
- Umaña-Taylor, A. J., Kornienko, O., Mcdermott, E. R., & Motti-Stefanidi, F. (2020). National Identity Development and Friendship Network Dynamics among Immigrant and Non-Immigrant Youth. *Journal of Youth and Adolescence*, 49, 706-723. <https://doi.org/10.1007/s10964-019-01181-1>
- Vacca, R., Cañarte, D., & Vitale, T. (2021). Beyond ethnic solidarity: the diversity and specialisation of social ties in a stigmatised migrant minority. *Journal of Ethnic and Migration Studies*, 1-29. https://doi.org/10.1080/1369183X.2021.1903305/SUPPL_FILE/CJMS_A_1903305_SM3434.DOCX
- Vacca, R., Solano, G., Lubbers, M. J., Molina, J. L., & McCarty, C. (2018). A personal network approach to the study of immigrant structural assimilation and transnationalism. *Social Networks*, 53, 72-89. <https://doi.org/10.1016/J.SOCNET.2016.08.007>
- Van de Weerd, P. (2020). Categorization in the classroom: a comparison of teachers' and students' use of ethnic categories. *Journal of Multicultural Discourses*, 15(4), 354-369. <https://doi.org/10.1080/17447143.2020.1780243>
- Verkuyten, M. (2018). *The social psychology of ethnic identity* (2nd ed.). Routledge.
- Weber, M. (1968). *Economy and society: An outline of interpretive sociology*. Bedmeister.
- Williams Jr., R. M. (1947). The reduction of intergroup tensions: A survey of research on problems of ethnic, racial, and religious group relations. *Social Science Research Council Bulletin*.
- Wimmer, A., & Lewis, K. (2010). Below and beyond racial homophily. ERG models of a friendship network documented on Facebook. *American Journal of Sociology*, 116(2), 583-642. <https://doi.org/0002-9602/2010/11602-0006>
- Wright, S. C., Aron, A., McLaughlin-Volpe, T., & Ropp, S. A. (1997). The Extended Contact Effect: Knowledge of Cross-Group Friendships and Prejudice. *Journal of Personality and Social Psychology*, 73(1), 73-90. <https://doi.org/10.1037/0022-3514.73.1.73>
- Zhou, S., Page-Gould, E., Aron, A., Moyer, A., & Hewstone, M. (2019). The Extended Contact Hypothesis: A Meta-Analysis on 20 Years of Research. *Personality and Social Psychology Review*, 23(2), 132-160. <https://doi.org/10.1177/1088868318762647>
- Zingora, T., Stark, T. H., & Flache, A. (2020). Who is most influential? Adolescents' intergroup attitudes and peer influence within a social network. *Group Processes and Intergroup Relations*, 23(5), 684-709. <https://doi.org/10.1177/1368430219869460>