HSN - Homophily in Social Networks

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Job description: Homophily is the tendency of people to associate with similar others. The objective of this project is to verify whether the property of homophily can be observed in a social network of music listeners. We will use the last.fm radio portal to extract some data. We will create a social network among listeners, where the edges of the network indicate friendship relationship. In addition, each listener is associated with a set of tags, describing the music taste of the listener, for example, favorite artists or most listened tracks. The question to answer is whether listeners who are friends are more likely to have similar music tastes than listeners who are not friends.