

# **Project Proposal: [My Network Project Title]**

## **Author 1, Author 2, [Author 3 if three]**

### **1. Nodes and Links**

Describe in plain language what the node and links are in your social network. This only needs to be a sentence or two.

### **2. Dataset**

Tell us about your dataset. What is the subject matter? Where are you getting it? Most important: How are you getting it and how long will that take you? Describe any expected challenges, need for permissions, which tools you will use, what format the data is in, any expected data cleaning.

Note: You may not use data that is already in network format.

Advice: A network smaller than several hundred to a thousand nodes is not big enough to convincingly show the properties we are interested in, or to demonstrate your analytical skills. A network larger than tens of thousands of nodes starts to get unwieldy computationally – this is not a reason to not take on large networks, but know that you need the skills to back it up if you do. Most projects will therefore concern networks of roughly 500-100,000 nodes.

### **3. Expected size of the network**

State the number of nodes and number of links. Tell us why – is this everything available? Are you taking a subset? If a subset, why, and how do you plan to define it?

### **4. Questions you plan to ask and why we care**

This is the part to really practice your skills at something akin to a scientific abstract (minus the results). Motivate us – what is so important and/or interesting about your social network? What research questions do you plan to pursue? Do you have any preliminary ideas about how you want to pursue these questions (e.g. community detection)?

### **Page limit: 1 page**

You can use this however you see fit, there is no limit per section. You will all present a variety of networks that require more or less info in each section. You also do not to fill the whole page – succinct is good, just as long as you cover each component as described above.