

Team Name (optional):  
Team Members: **Rachita Hajela, Nikita Keswaney, Anto Loyola**  
Project Title: Hack Through Your Neighborhood  
Project Description: The number of attempts at hacking into a network with respect to living expenditure of the locality and the internet usage of the average household in the locality.  
Data Sources - Use the table below to list and describe potential data sources.

#### *Part 2. General Data Source Information*

<u>Data Sources</u>	<u>Data Source Description</u>	<u>Data Size</u>
Living Expenditures in Different Zip Codes in USA	There is a data source which provides the average living expenditure for the different regions (based on zip code) in USA	~ 1 TB
WINE – Worldwide Intelligence Network Environment	There is a data source given by Symantec which provides the various network threats and hack-attempts in various parts of the world – including USA	~ 4 TB
Internet Usage Data	There is a data source which provides the average internet usage per family in different areas of the world – including USA	~ 4 TB

#### *Part 3. Detailed Data Source Information*

<u>Data Sources</u>	<u>Data Characteristics</u>	<u>Data Frequency</u>
- From Part 2. above	- The Symantec source is somewhat real time. - The rest are more like logs. - It is statistically loaded data over a few years this millennium	- Symantec updates its data source once a week ~ approximately

#### *Part 4. Technologies*

We will be Using MapReduce in Java and may try to merge twitter as a data source but not sure about that yet.

#### *Part 5. References*

1. Home Network Security - [http://www.cert.org/historical/tech\\_tips/home\\_networks.cfm?](http://www.cert.org/historical/tech_tips/home_networks.cfm?)
2. Building a Secure Home Network – <http://www.sans.org/reading-room/whitepapers/hsoffice/building-secure-home-network-611>
3. Studying Internet Use as Penetration Increases - <http://www.princeton.edu/~artspol/workpap/WP15%20-%20DiMaggio%2BHargittai.pdf>
4. Use of the internet in higher-income households - <http://www.pewinternet.org/2010/11/24/use-of-the-internet-in-higher-income-households/>
5. Cyberbullying - <http://www.pewinternet.org/2007/06/27/cyberbullying/>
6. Characterizing Transition Behaviors in Internet Attack Sequences (Rochester Institute of Technology, Rochester, New York 14623) PDF

