Data Management and Visualization - **Wesleyan University** Y

**My name is Dimple Rathod, and I’m a third year undergraduate student pursuing IT Engineering. I have a keen interest in the field of Data Science. I have taken up a course Data Management and Visualization by Wesleyan University via coursera.com.**

**Each student has to submit their assignments through a blog entry and I have chosen Github to do the same.**

**This assignment is a part of part one of the five course Data Management and Visualization by Wesleyan University.**

**Assignment 1:**

1. Selecting a codebook and a data set:

After carefully reviewing each codebook and dataset, I choose the NESARC codebook and its corresponding dataset. This particular dataset includes research based on various psychiatric disorders and study of social behaviour amongst the population of the U.S. The study of social phobia intrigued me.

1. Specific topic of interest:

After reviewing various topics and variables in the codebook, I chose the topic of social phobia and the factors related to it. There was indicators of various factors and influences involved which led to such behaviour. I am particularly interested in analysing these factors that lead to such behaviour.

1. Preparing a codebook:

Questions / Variables related to topic of interest –

Source Code Question

* S7Q1 Ever had strong fear or avoidance of social situation?
* S7Q2 Had strong fear/avoidance of social situation due to fear of embarrassment at what

you might say/do around others?

* S7Q3 Had strong fear/avoidance of social situation due to fear of becoming speechless,

having nothing to say or saying something foolish?

* S7Q4A2 Ever had fear/avoidance of conversations with people you don’t know well?
* S7Q4A6 Ever had fear/avoidance of dating?

1. Second topic of interest in terms of its association with the original topic:

I am particularly interested in the family history of drug abuse and family history of antisocial personality which could be major factors and influences leading to anti-social behaviour of an individual. I would like to analyse the relationship between genetics and family history with social phobia.

Source Code Question

* S3EQ1 BLOOD/NATURAL FATHER EVER HAD PROBLEMS WITH DRUGS?
* S3EQ2 BLOOD/NATURAL MOTHER EVER HAD PROBLEMS WITH DRUGS?
* S11BQ1 BLOOD/NATURAL FATHER EVER HAD BEHAVIOR PROBLEMS?
* S11BQ2 BLOOD/NATURAL MOTHER EVER HAD BEHAVIOR PROBLEMS?
* S11BQ3C ANY FULL BROTHERS EVER HAD BEHAVIOR PROBLEMS?
* S11BQ4C ANY FULL SISTERS EVER HAD BEHAVIOR PROBLEMS?
* S11BQ11 NATURAL GRANDFATHER ON YOUR FATHER'S SIDE EVER HAD BEHAVIOR

PROBLEMS?

* S11BQ12 NATURAL GRANDMOTHER ON YOUR FATHER'S SIDE EVER HAD BEHAVIOR

PROBLEMS?

* S11BQ13 NATURAL GRANDFATHER ON YOUR MOTHER'S SIDE EVER HAD BEHAVIOR

PROBLEMS?

* S11BQ14 NATURAL GRANDMOTHER ON YOUR MOTHER'S SIDE EVER HAD BEHAVIOR

PROBLEMS?

1. Literature Review:

Maria Tillfors -

**Why do some individuals develop social phobia**

Both family and twin studies support a hereditary contribution to social phobia resulting from genetic and environmental factors, which most likely operate in an interactive way rather than acting in isolation.

Hypothesis :

Is social phobia associated with heredi