Project proposal

Project title:

Prevalence of Coronary Heart Disease (CHD) among smokers within the FraminghamHeart

Study between years 1956 and 1968

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Project Description/Outline:

Is there a correlation between smoking status and Prevalent Coronary Heart Disease, analyzed

across: age, sex, attained education, cholesterol (tot, HDLC, LDLC).

Since data collected is also longitudinal, analysis will be done for period 1 and period 3.

Research questions to be answered:

- Age: what is the trend between smoking and prevelant coronary heart disease across age groups

- Sex: what is the trend between smoking and prevelant coronary heart disease across sex groups

- Education:what is the trend between smoking and prevelant coronary heart disease across the education groups

- Total Cholesterol: what is the trend between smoking and prevelant coronary heart disease across

- HDLC (High Density Lipoprotein Cholesterol)

- LDLC (Low Density Lipoprotein Cholesterol)

Target audience:

- Healthcare professionals:

    - E.g. Pharma companies high risk targeting populations with drug/rehab programs

    - E.g. cardiolgists or smoking cessation programs

Dataset: Framingham Heart Study