DA Assignment 3

ARNAB DEY

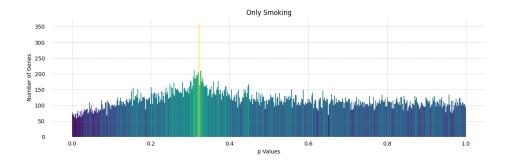
September 2024

1 Work Done

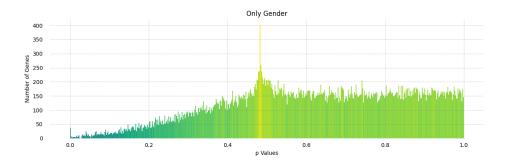
There are 12 data points from each of the four categories viz-a-viz. male smokers, male non smokers, female smokers, and female non smokers. Used 2-way Anova method to get the parameters of F-distribution go get the p-Values for ~ 41000 genes.

Below are the three histograms depicting the distribution of p-Values.

1.1 Hypothesis: Smoking only



1.2 Hypothesis: Gender only



1.3 Hypothesis: Both smoking and gender

