# 590D Mini-Exercise 1

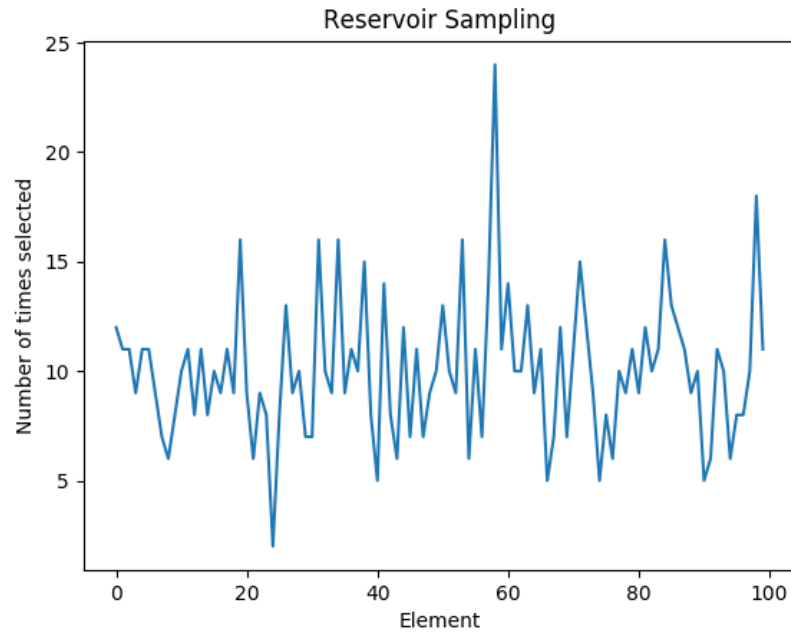**Name**: Kriti Srivastava, **Spire ID**: 31041848
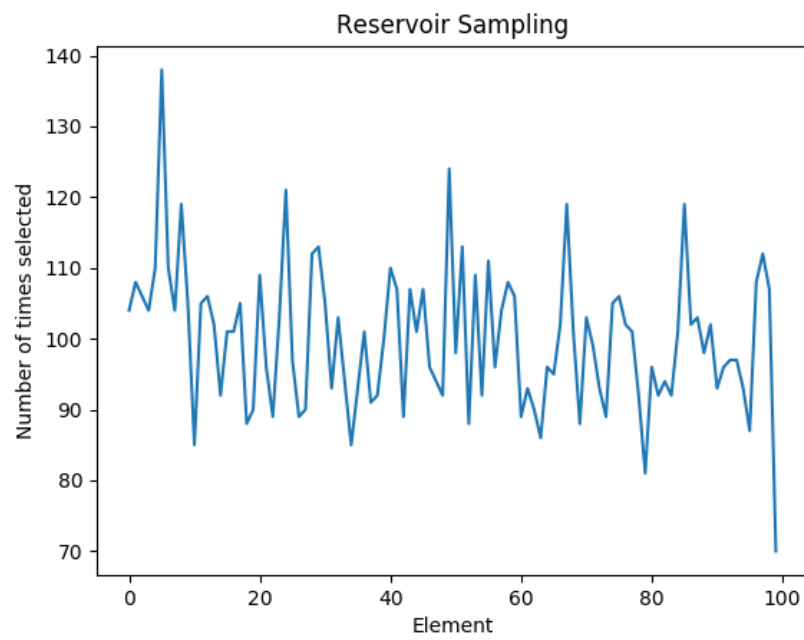**Name**: Nidhi Mundra, **Spire ID**: 31006511
**Date**: 09/10/2017

**Item sampled in one run of the algorithm**

53

**Plot showing the number of times each element was selected when trial was run 1000 times**

**Plot showing the number of times each element was selected when trial was run 10,000 times**


Reservoir Sampling

**Plot showing the number of times each element was selected when trial was run 100,000 times**