

I used the data provided in the problem set from the “UCI Machine Learning Repository,” which was collected via a survey on Amazon Mechanical Turk.

My analysis focuses on Coffee House visitors based on their age, gender, marital status, income, education, occupation, and frequency of visits.

Summary:

- **Age:** Younger visitors, especially those below 21, have a higher acceptance rate.
- **Gender:** Males have a slightly higher acceptance rate than females.
- **Marital Status:** Divorced and single visitors have higher acceptance rates compared to widowed visitors.
- **Income:** Visitors with lower income levels (\$12,500 - \$24,999) have a higher acceptance rate.
- **Education:** Acceptance rates are fairly consistent across different education levels.
- **Occupation:** Students and those in transportation and material moving occupations have higher acceptance rates.
- **Frequency of Visits:** Visitors who frequent coffee houses more often are more likely to accept coffee house coupons.