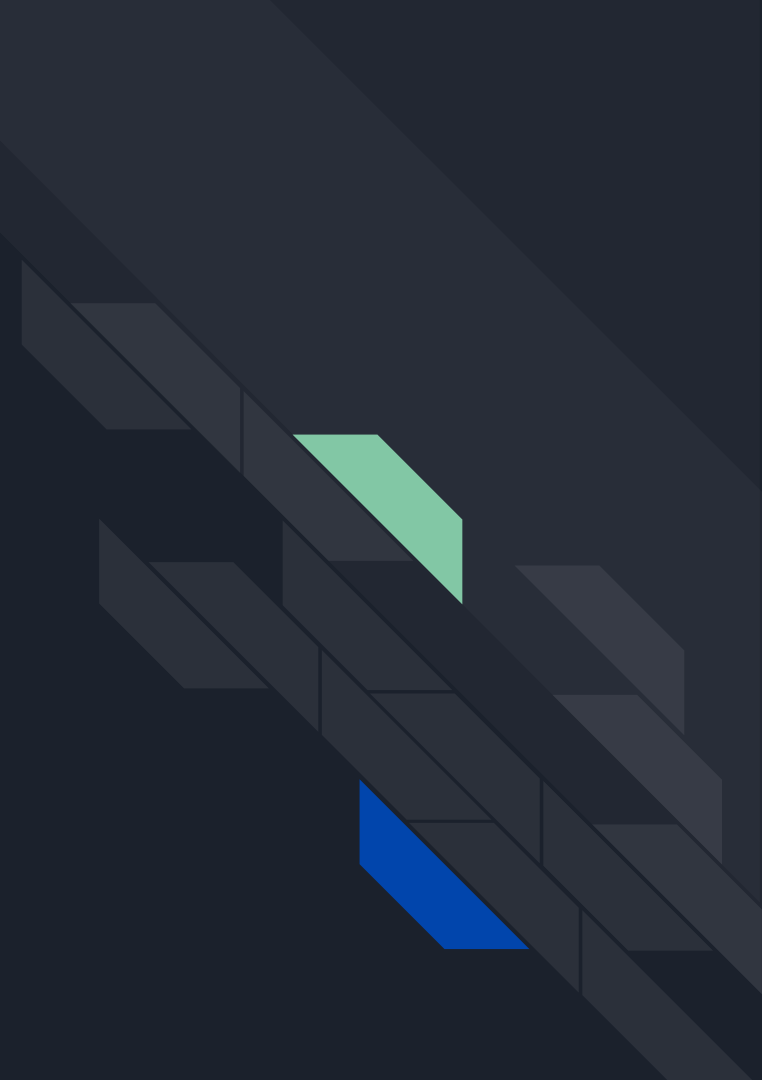


A decorative graphic on the left side of the slide consists of two overlapping parallelograms. The front one is blue and the back one is a light green. They are positioned diagonally, with the blue one partially covering the green one.

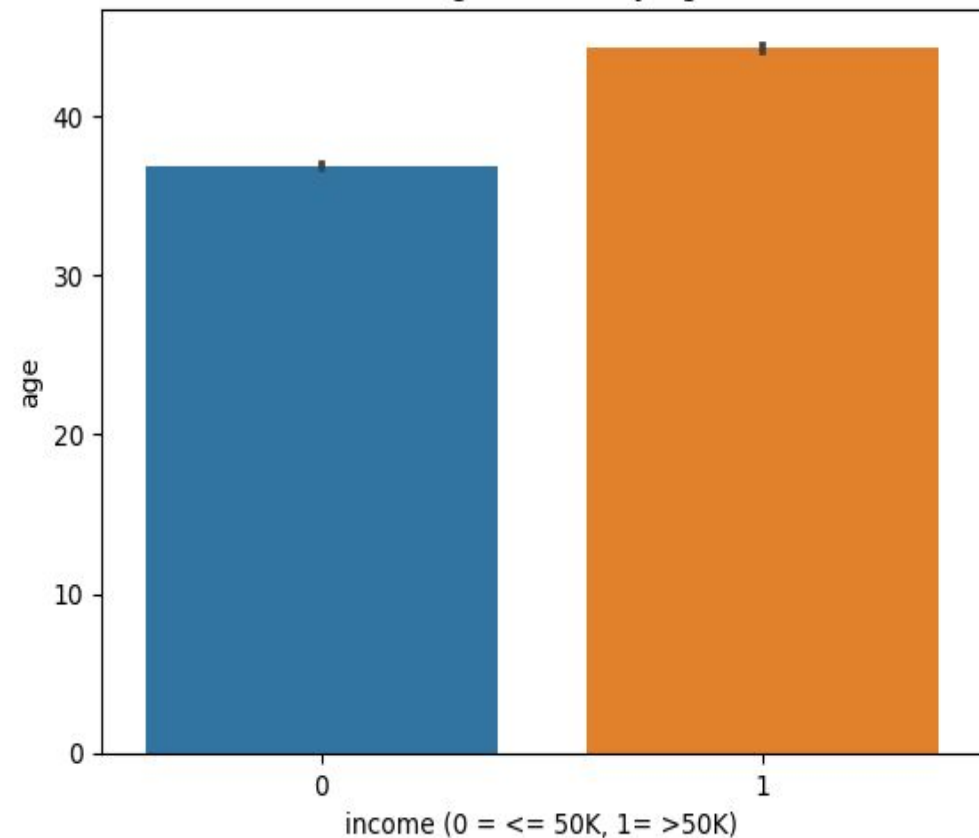
Adult Income

William Rodemoyer

- Banking Companies are our Stakeholders
- We exploring the possibility of predicting an individual's income level, based on some the individuals personal information for our stakeholders.
- The income is divided into two classes: $\leq 50K$ and $> 50K$
- A person's annual income results from various factors. Some of the factors that we used are education level, age, gender, occupation, and etc.

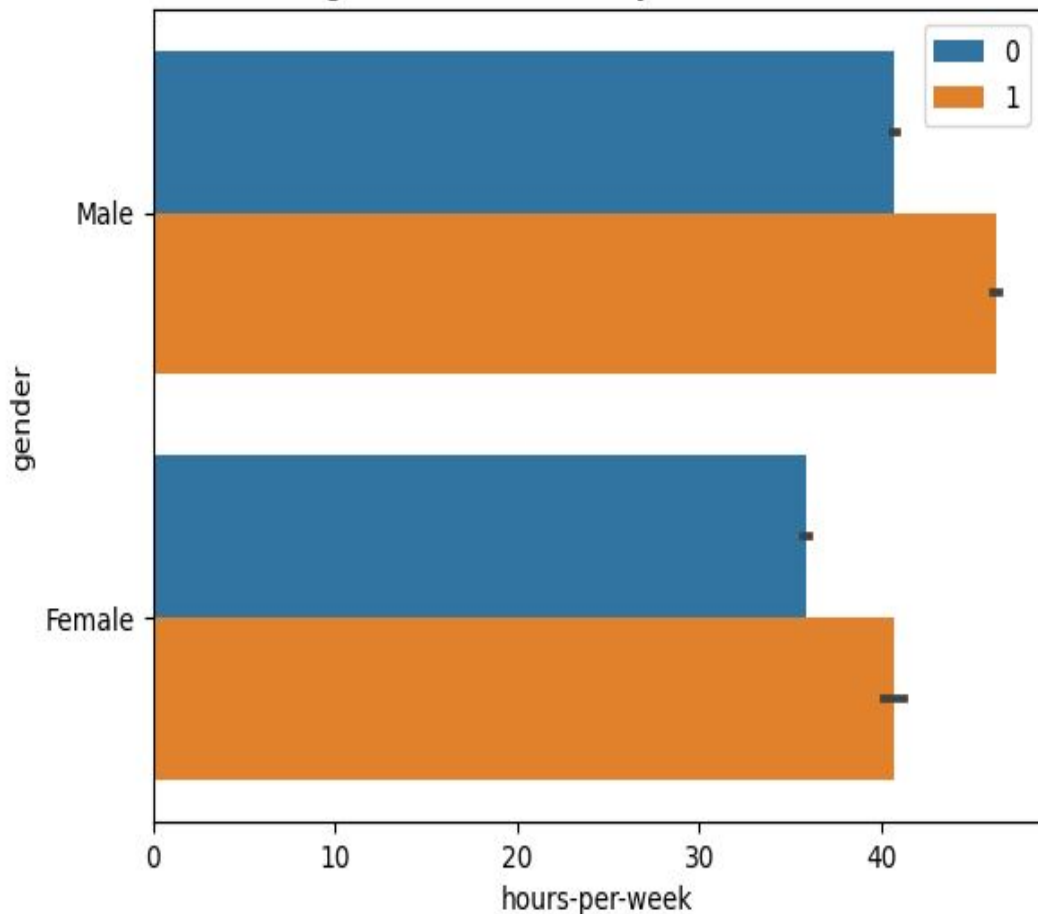


Average Income by Age



- On average, those who make over 50K annually, are older in age.

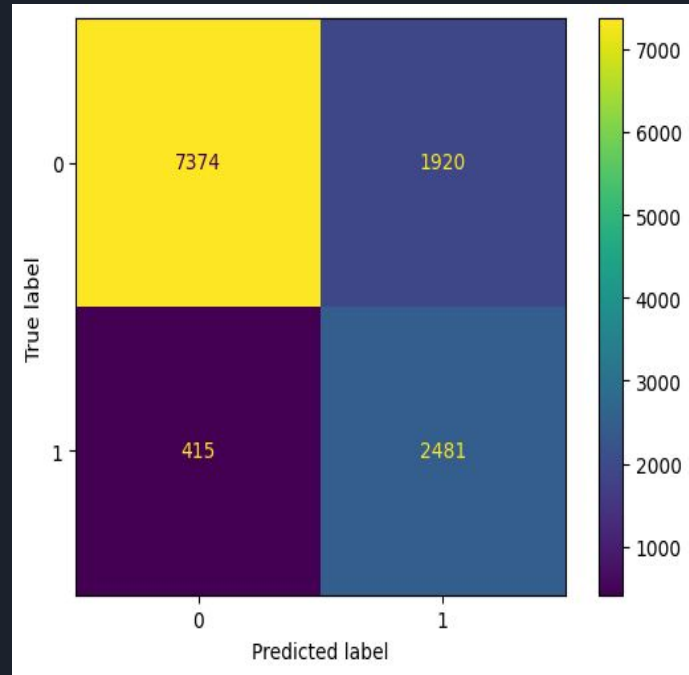
Average Hours Per Week by Gender and Income



- Both Genders who make more than 50k, work more hours per week than those who make 50k or less.
- On average, males work more hours per week compared to females when comparing their respectable income classes.

Final Model

- **Pros:**
 - Accurately predicting 81% of incomes.
(Good, Not Great Percentage)
- **Cons: The other 19%**
 - 415 people are predicted to make 50k or less, but actually make more than 50k
 - 1920 people are predicted to make over 50k, but make equal to or less than 50k





Final Recommendations

- Add another column or two.
 - Ex. pay (salary, hourly, commission, etc.),
overtime, etc.
- Generalize some of the options within the columns,
simpler can often time be easier on our models.