

### **Previous Research Question:**

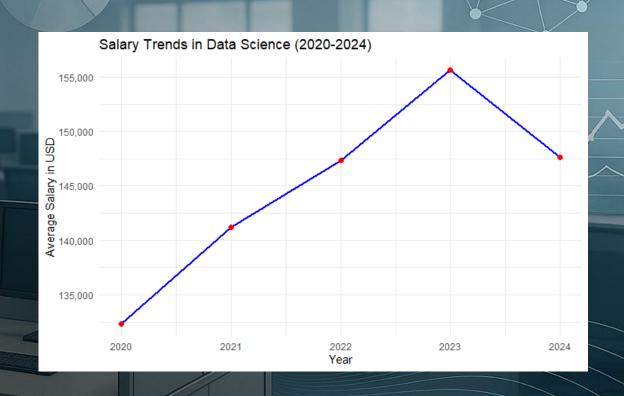
We analyzed salary trends from 2020 to 2024, exploring how salaries have changed over time and whether there are any identifiable trends in salary growth?

Recap

**Current Research Question** 

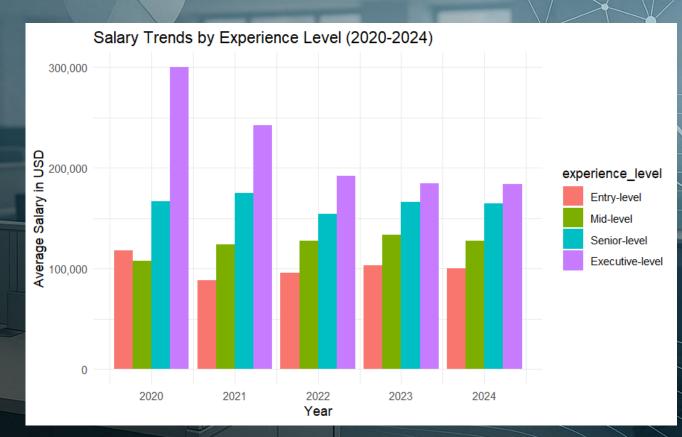
Variable Manipulation

**Regression Model 1** 



## **Previous Research Question:**

We analyzed salary trends from 2020 to 2024, exploring how salaries have changed over time and whether there are any identifiable trends in salary growth?



Recap

**Current Research Question** 

Variable Manipulation

**Regression Model 1** 

**Regression Model 2** 

## **Previous Research Question:**

We analyzed salary trends from 2020 to 2024, exploring how salaries have changed over time and whether there are any identifiable trends in salary growth?



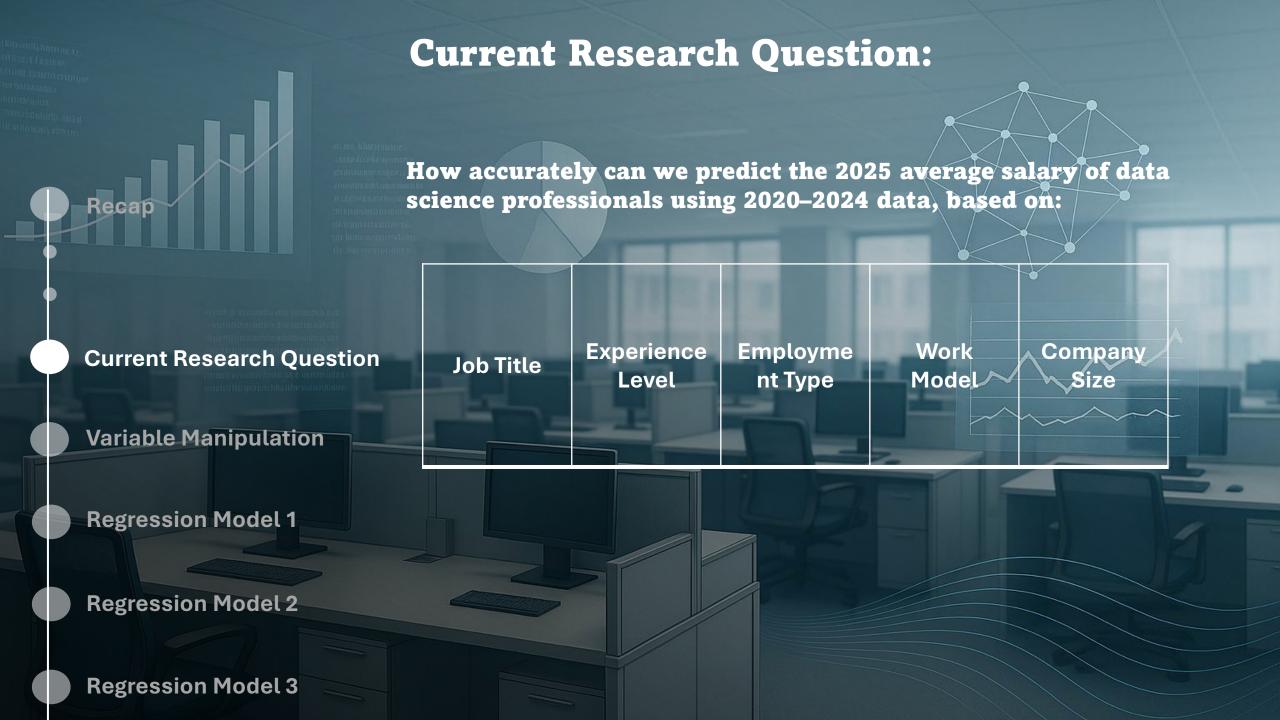
**Current Research Question** 

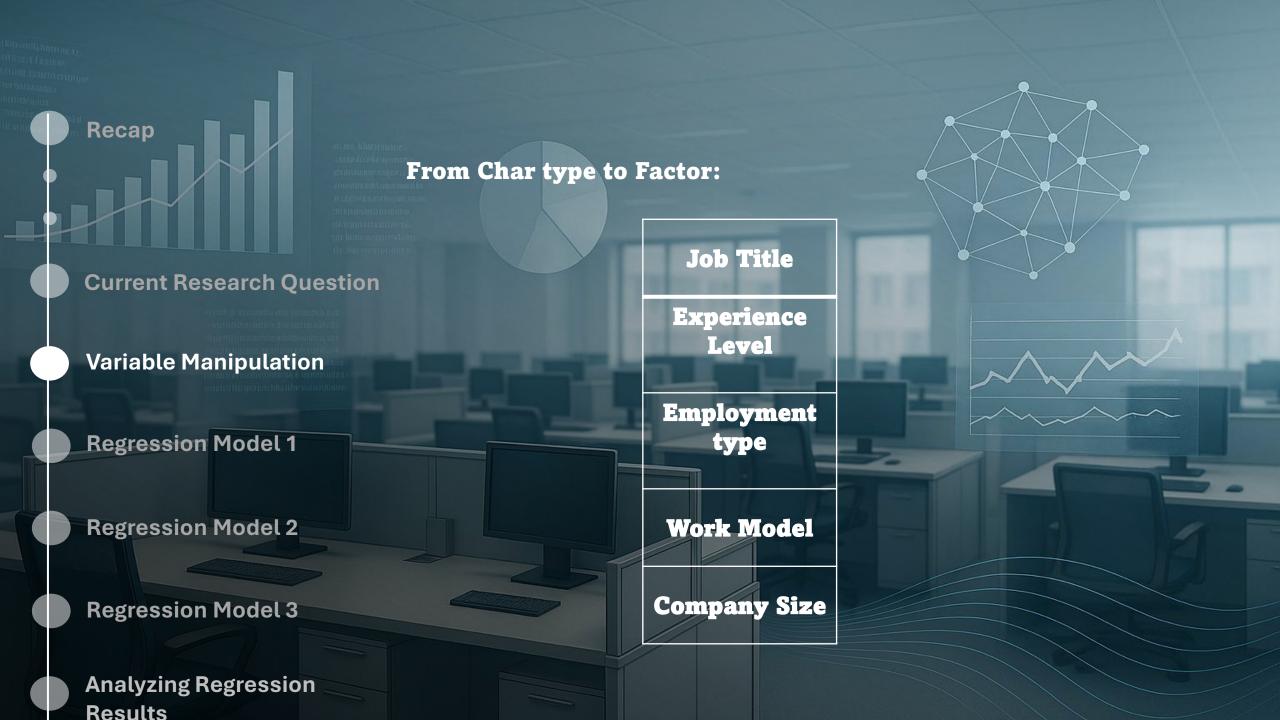
Variable Manipulation

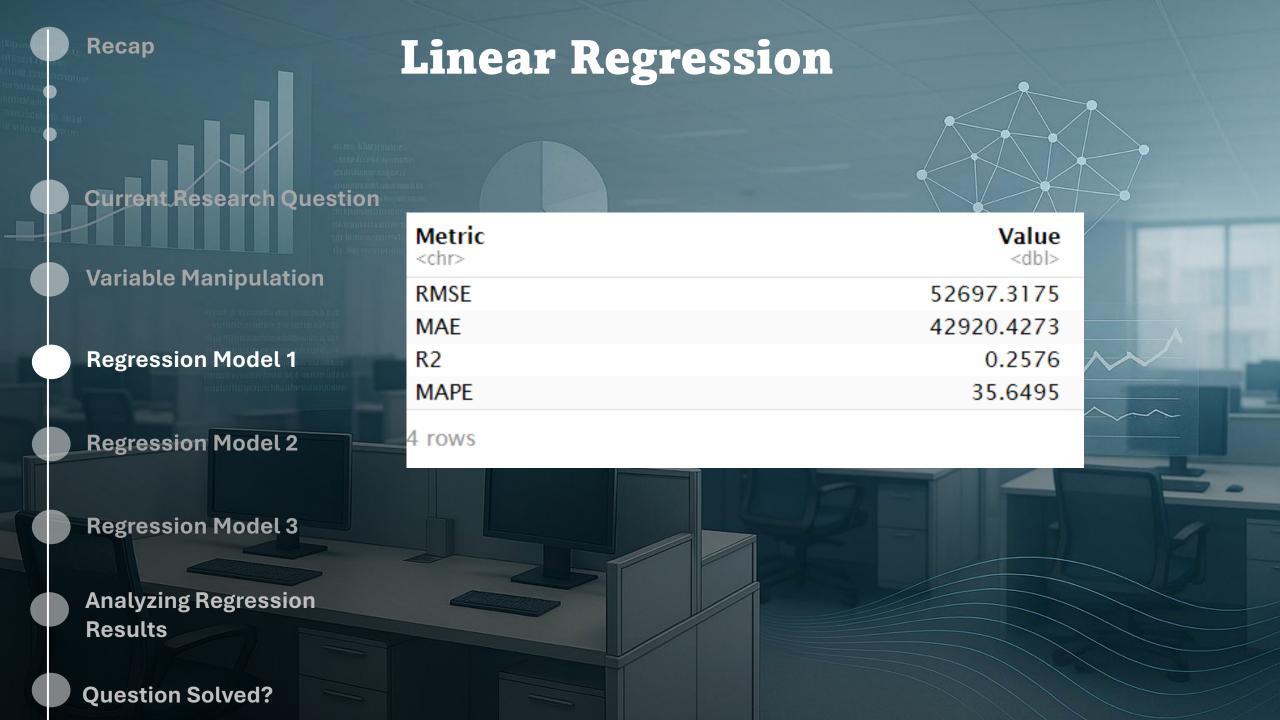
**Regression Model 1** 

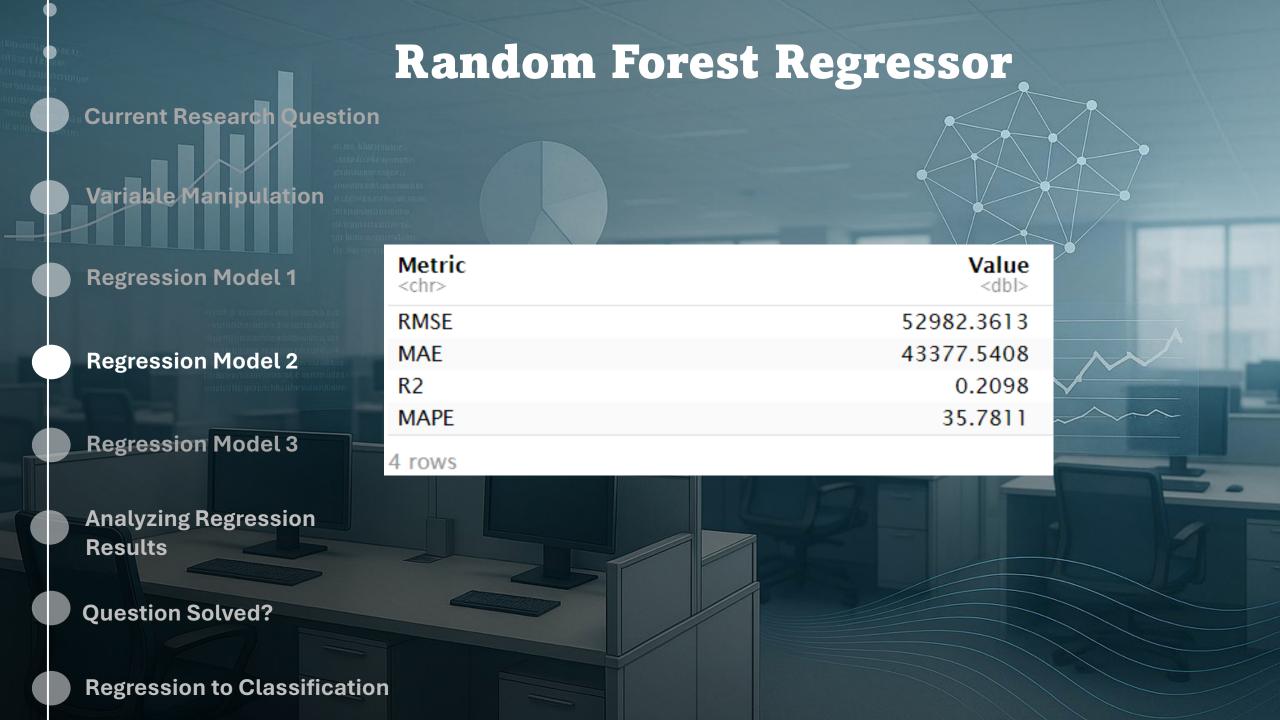
Regression Model 2

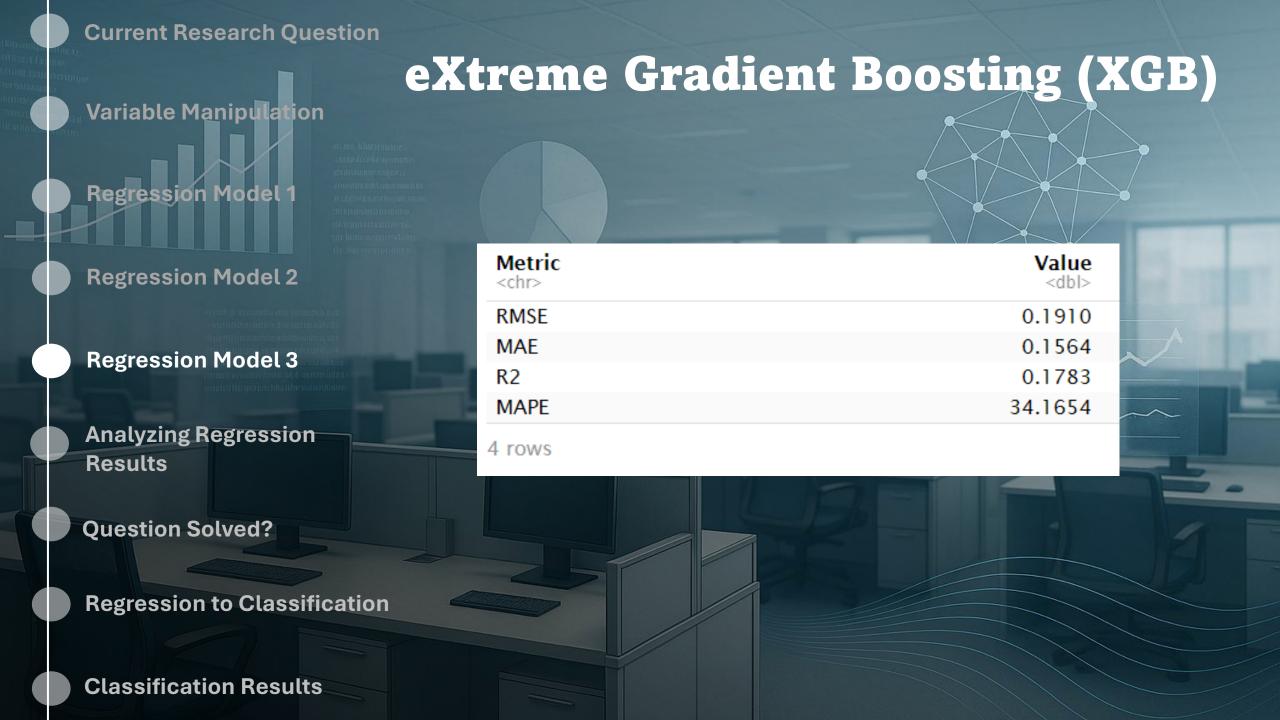


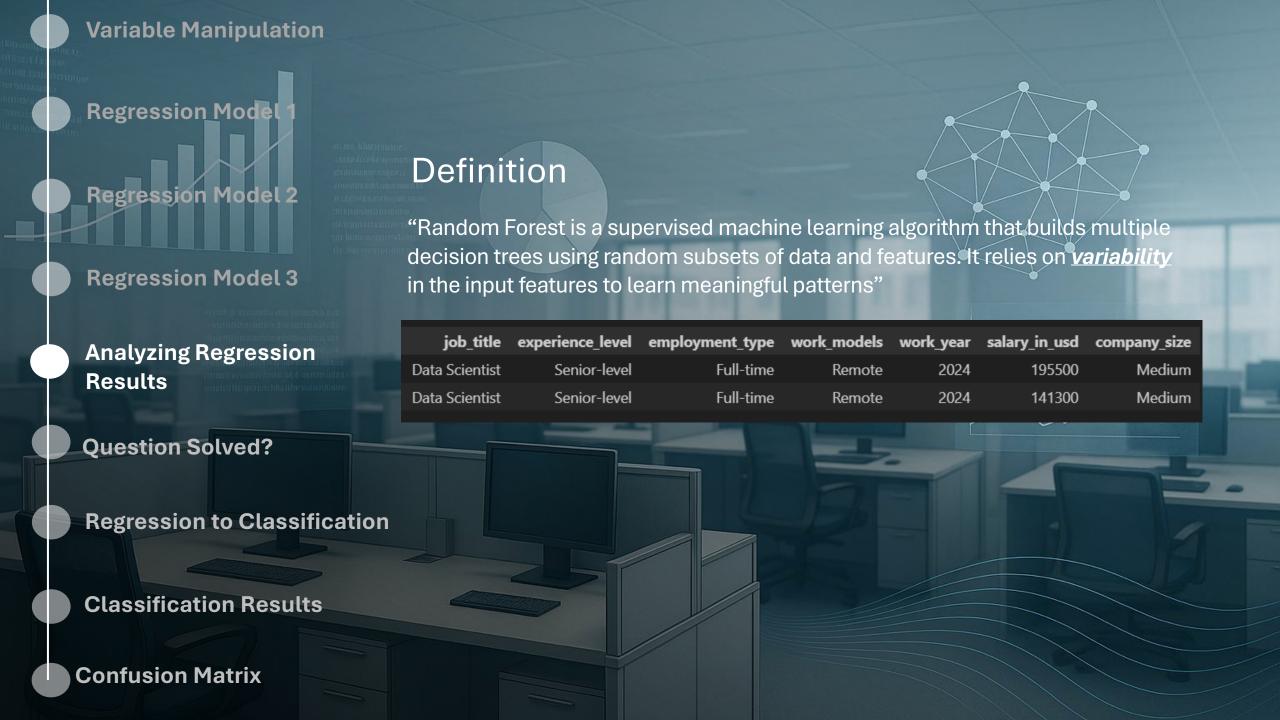












#### **Regression Model 1**

Regression Model

Regression Model 3

**Analyzing Regression Results** 

**Question Solved?** 

**Regression to Classification** 

**Classification Results** 

**Confusion Matrix** 

## **Research Question:**



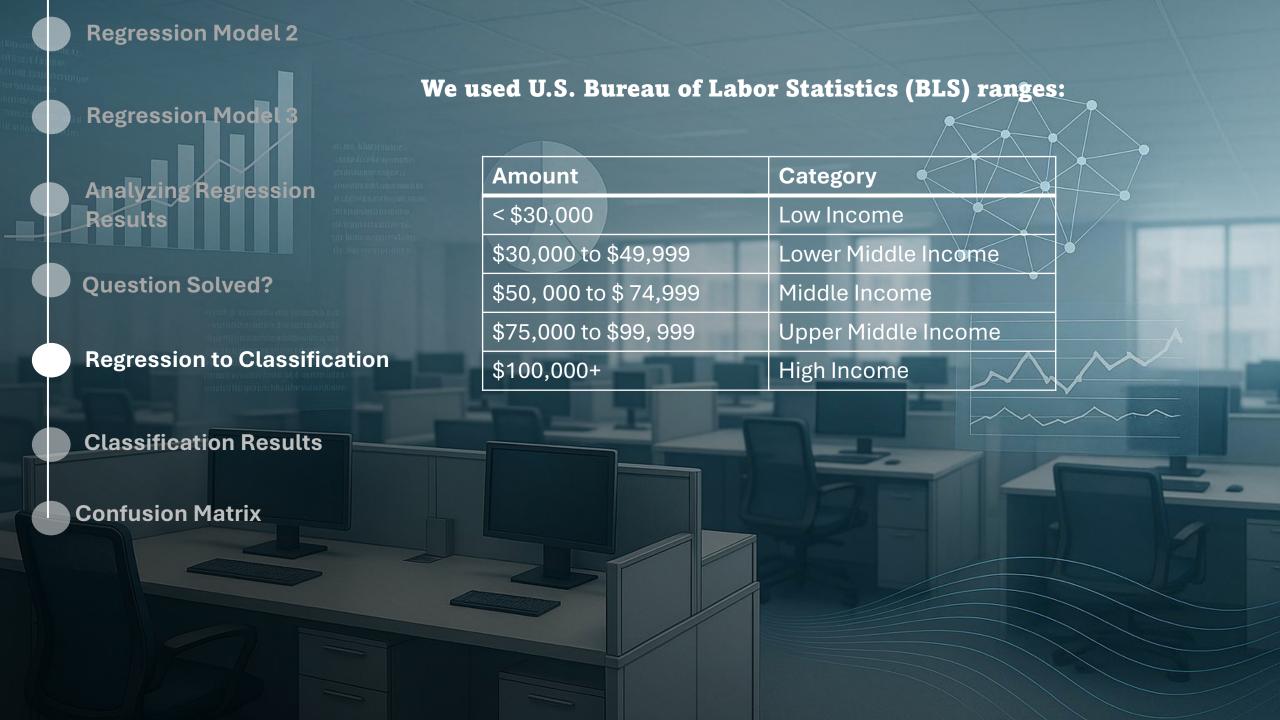
How accurately can we predict the 2025 average salary of data science professionals using 2020–2024 data, based on "Job Title", "Experience Level", "Employment Type", "Work Models", and "Company Size"?

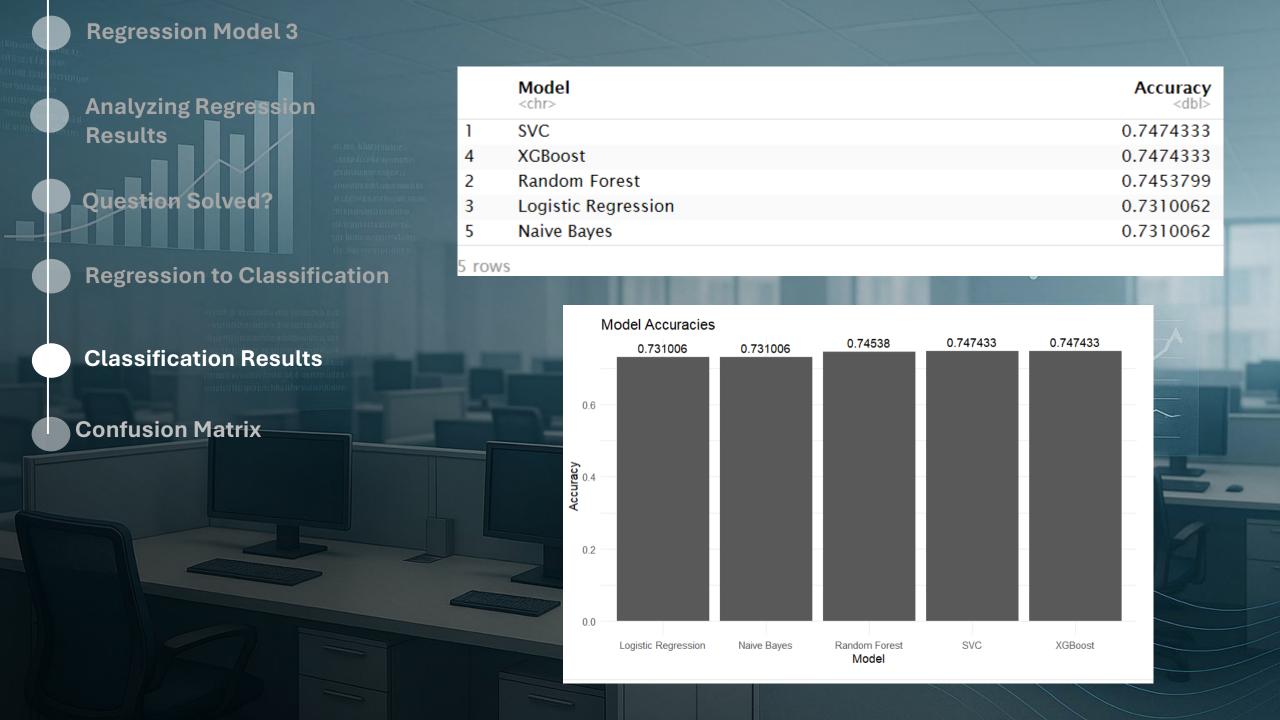
We cannot

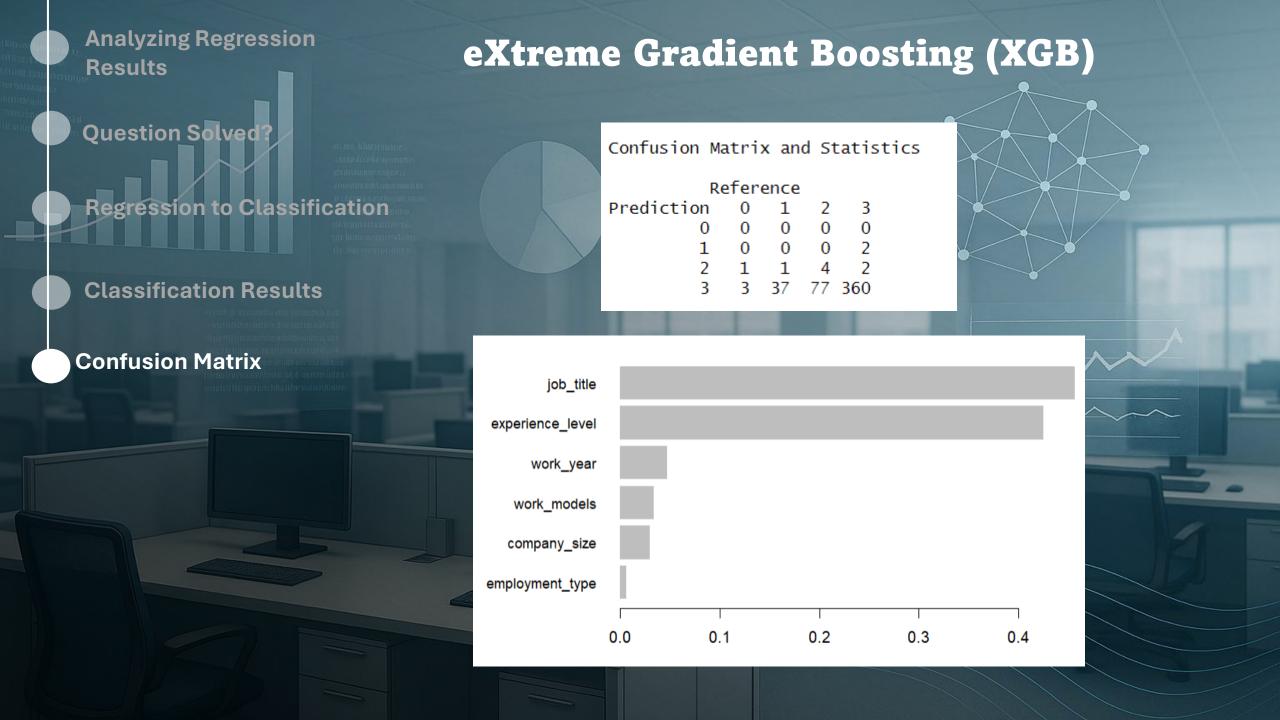
No variability in Data.

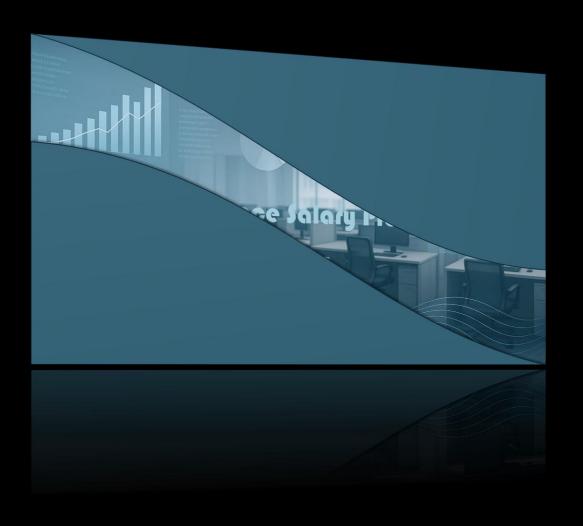
Missing Important Information

Can this be solved by classification?









# Thank you

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