



# AI on WorkForce

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# Goal of the Project

1. Visualizing AI risk and automation adoption
2. See what the current workforce and job market looks like
3. Learn more about AI and Automation

# Project Objectives

Which industries are at risk of being taken over by AI and automation.

Correlation between AI adoption and automation risk and salary

How does AI and automation differ in different cities

How does company size affect AI adoption

What skills are needed and cannot be done by AI or automation

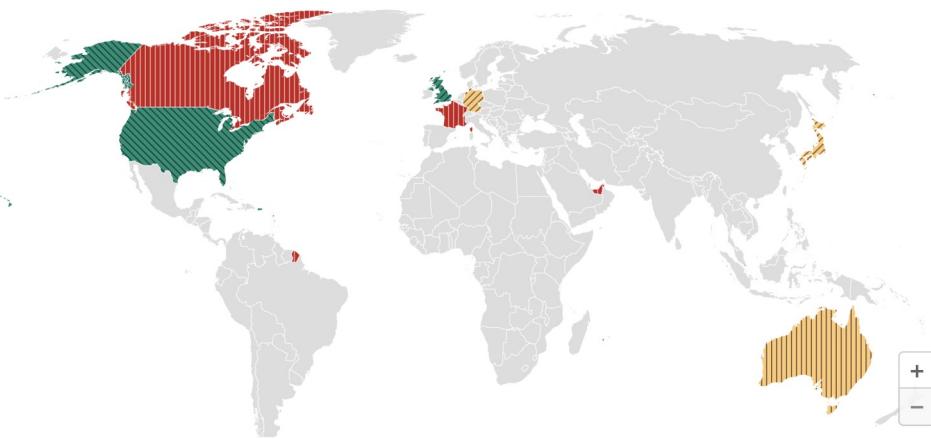
# Choropleth

- ❖ Objective
  - How does automation and AI differ in different cities

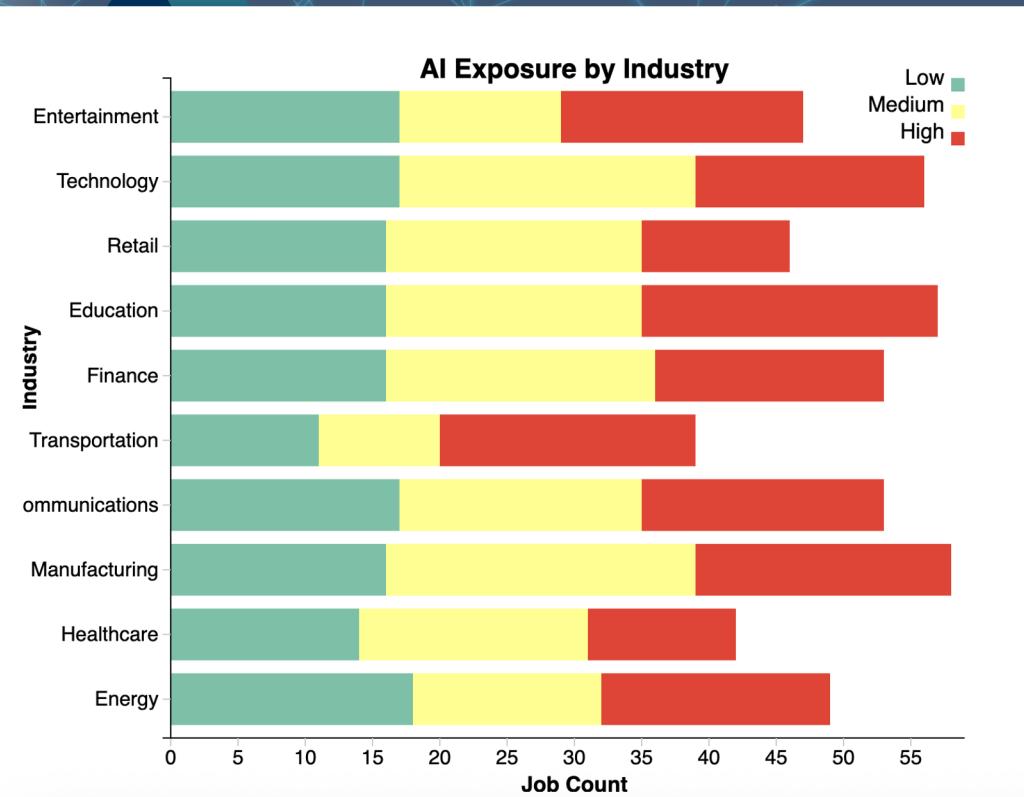
Automation and AI Risk Globally

AI Adoption Level      Automation Risk

High   Low   Medium   High   Low   Medium



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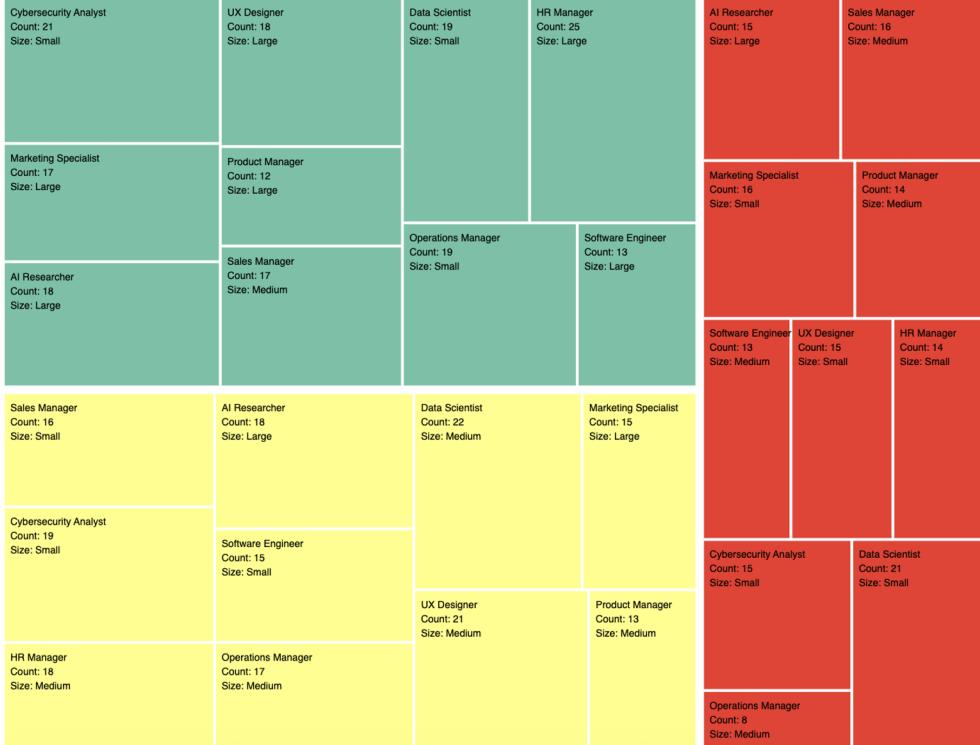


# Bar graph

❖ Objective

➤ Which industries  
are at risk of  
being taken over  
by AI and  
automation.

## AI Exposure by Occupation



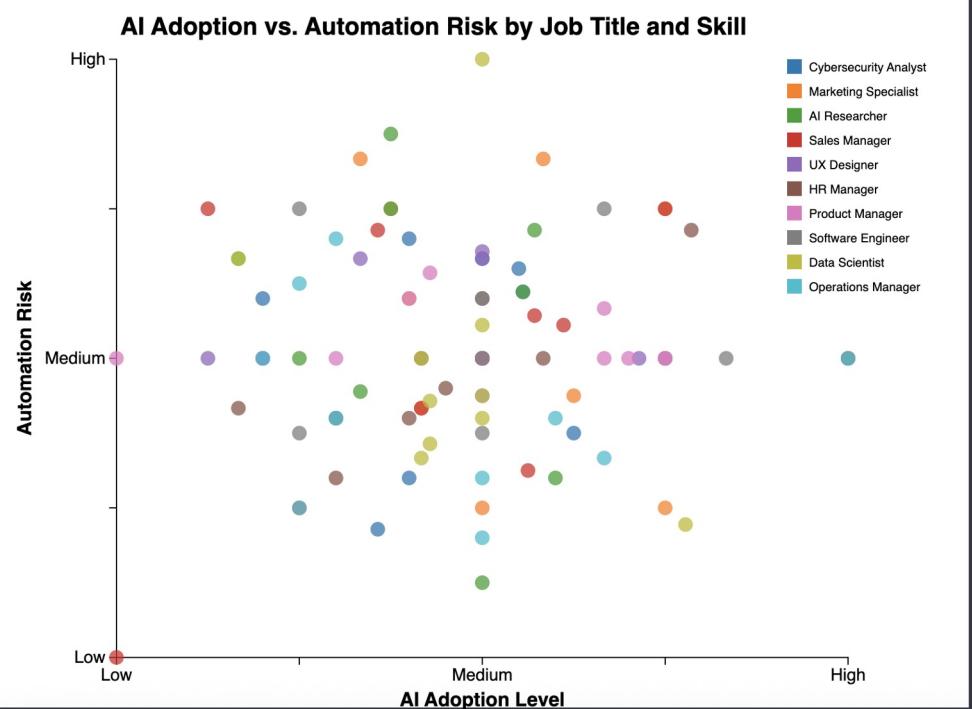
# Treemap

❖ Objective  
➤ How does  
company size  
affect AI  
exposure

# Scatter Plot

## ❖ Objective

- What skills are needed and cannot be done by AI or automation
- Which industries are at risk of being taken over by AI and automation.

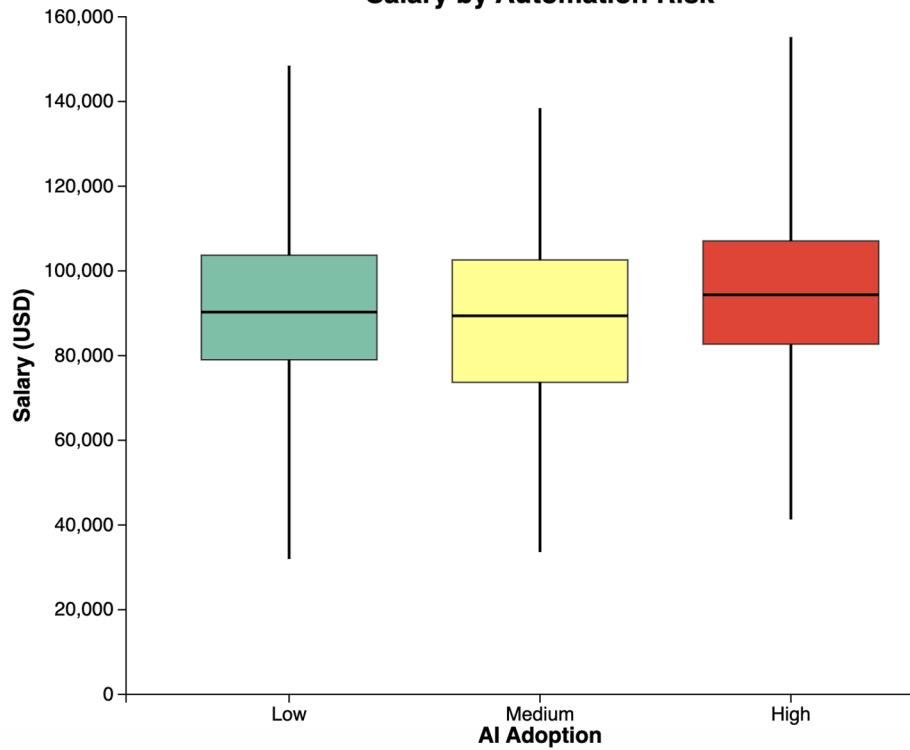


# Box Plot 1

- ❖ Objective
  - Correlation between AI adoption and automation risk and salary



### Salary by Automation Risk



## Box Plot 2

❖ Objective

➤ Correlation  
between AI  
adoption and  
automation risk  
and salary



## How did you measure success?

1. Visualization Success
2. Aesthetics
3. Usability

# New Updates

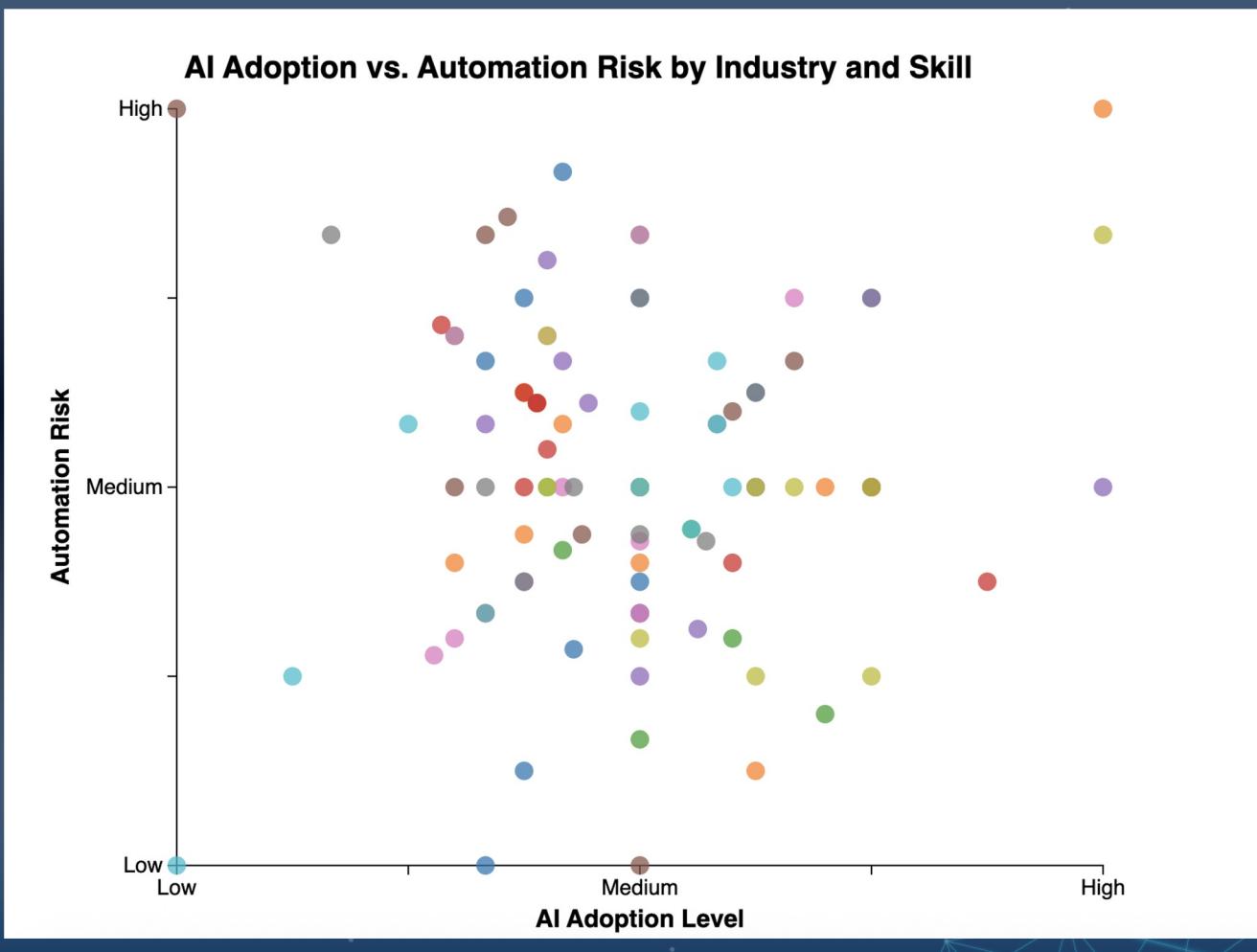
Scrollytelling

Aesthetics Fixes

Scatter Plot  
Updates

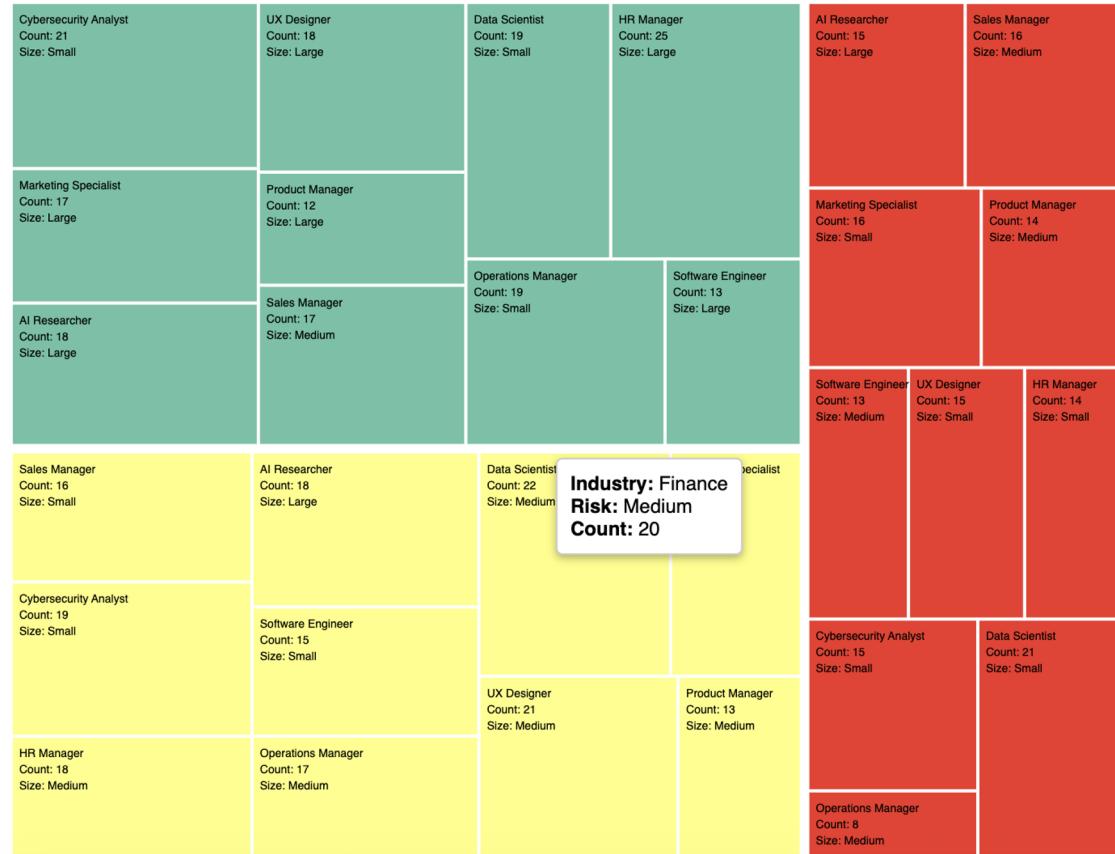
Coloring Fixes

# Approaches tried



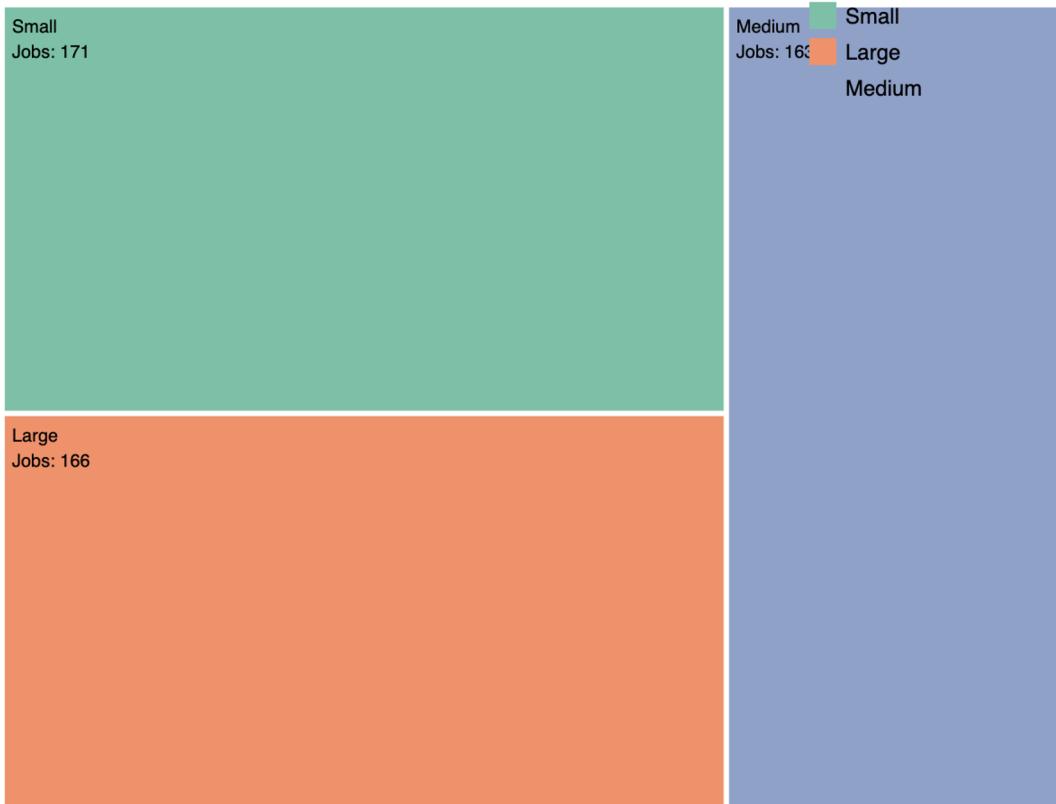
# Approaches tried

AI Exposure by Occupation



# Approaches tried

**Job Count by Company Size**



# Discussion

Approach

Promising

Problems

• Viz Issues

• Not  
enough  
data

Redo

Start with  
Scrollytelling

Choose  
different  
visualizations

Look for  
better data

# Future Work

Choropleth D3

Enhance Story

Scrollytelling  
Transitions

Filtering in  
Scatter Plot