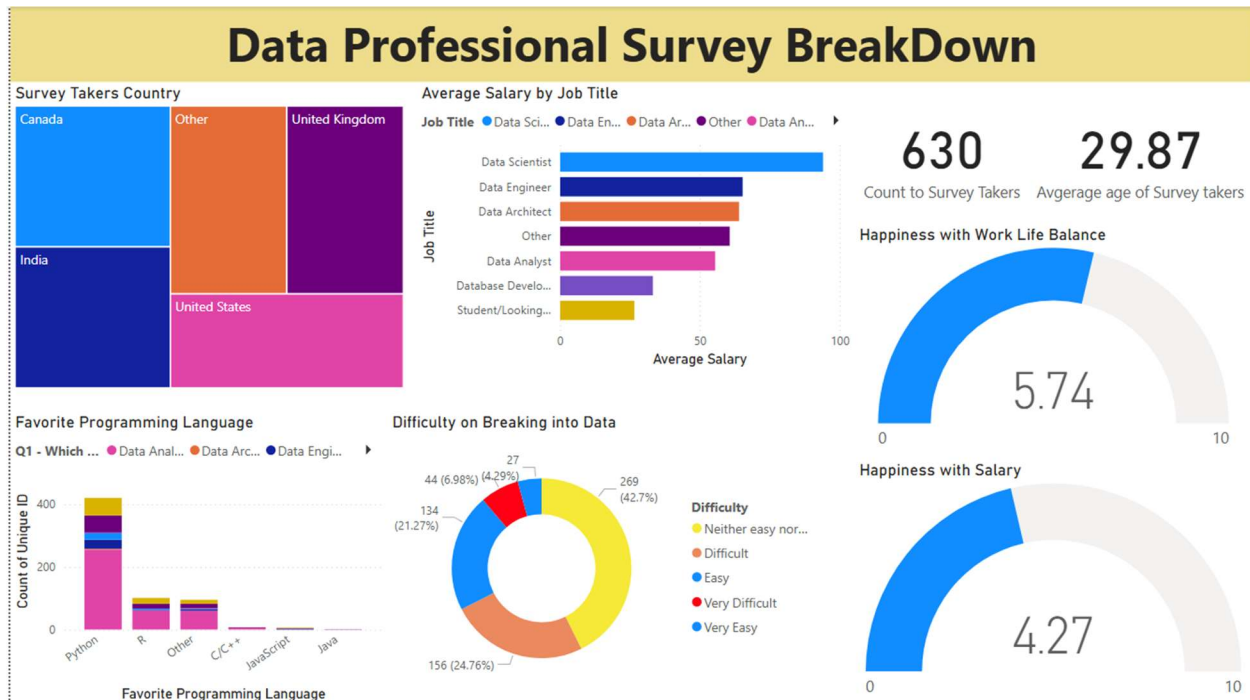# Data Professional Survey Dashboard:

This interactive Power BI dashboard analyzes survey responses from 630 data professionals across several countries. It showcases key insights such as average salary by job title, top programming languages (with Python leading), perceived difficulty in entering the data field, and satisfaction scores with work-life balance and salary. The visualizations include bar charts, tree maps, pie charts, and gauge indicators to convey trends in a clear, engaging manner.
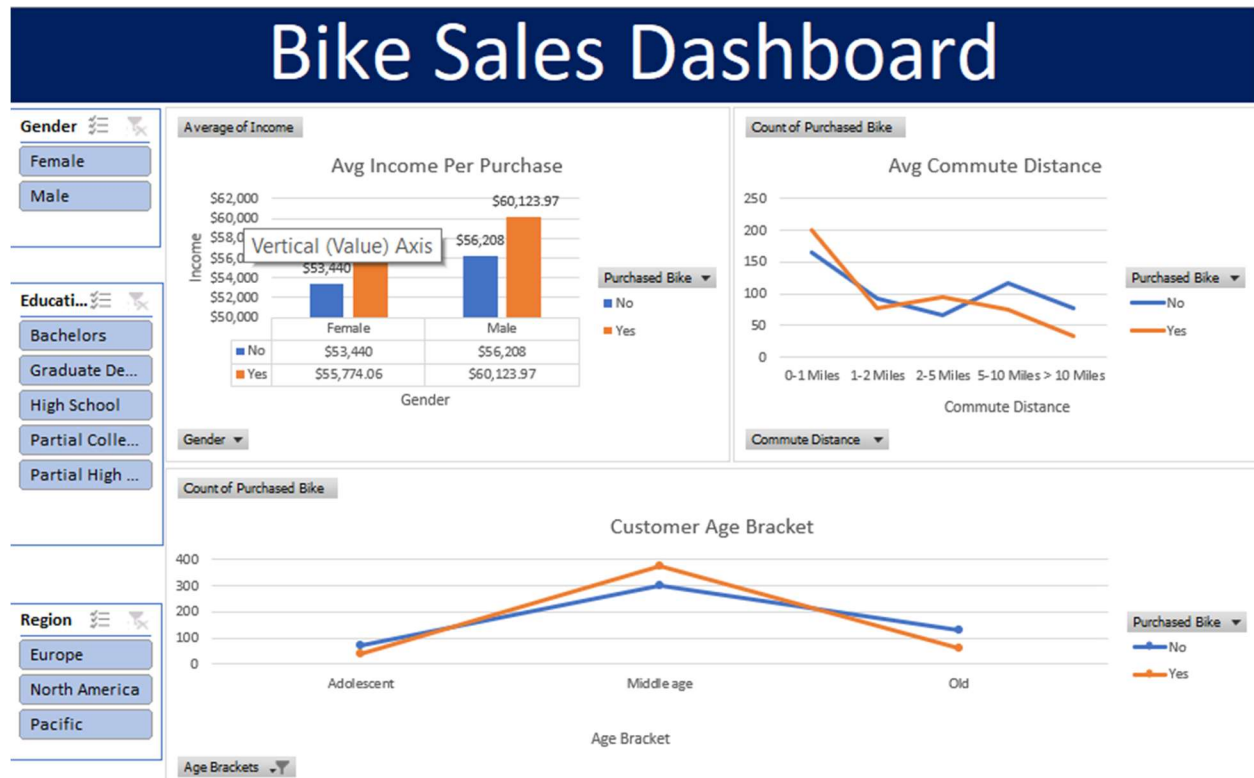
Key Insights:

- **Data Scientists** earn the highest average salary among job roles.
- **Python** is the most preferred programming language by a large margin.
- Over **40%** found it "neither easy nor difficult" to enter the data field.
- Average satisfaction: **5.74** for work-life balance, **4.27** for salary.

Tools Used:

- Power BI
- Excel / CSV (for data source)
- DAX (for measures and calculations)

Bike Sale Analytics Dashboard:

This interactive Excel dashboard analyzes customer demographics and behavior related to bike purchases. It uses pivot charts, slicers, and data visualizations to provide insights into how factors like gender, age bracket, income, commute distance, education level, and region influence purchasing decisions.

Key Insight:

- Males have a higher average income per purchase than females.
- Customers with shorter commute distances (<1 mile) are more likely to purchase bikes.
- The **middle-aged** group purchases the most bikes.
- Income is generally higher among customers who purchased a bike.
- Region, educational level, and gender filters allow for customized exploration of trends

Tools Used:

- Pivot Table, Pivot Charts, Pivot Tables
- Cell Formatting, Chart design and layout
- Slicers