

# EDA with categorical variables

EXPLORATORY DATA ANALYSIS IN POWER BI

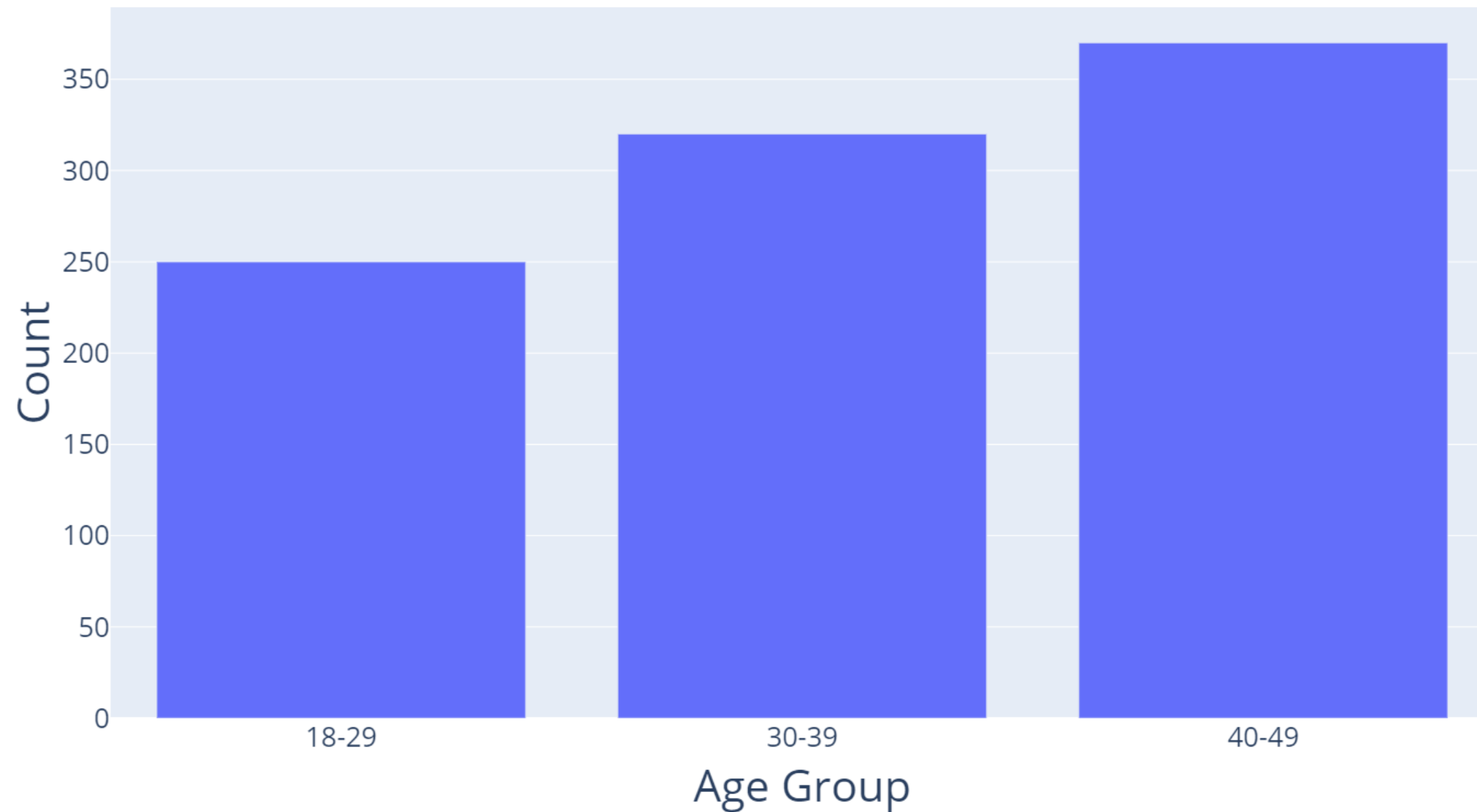


**Maarten Van den Broeck**

Content Developer at DataCamp

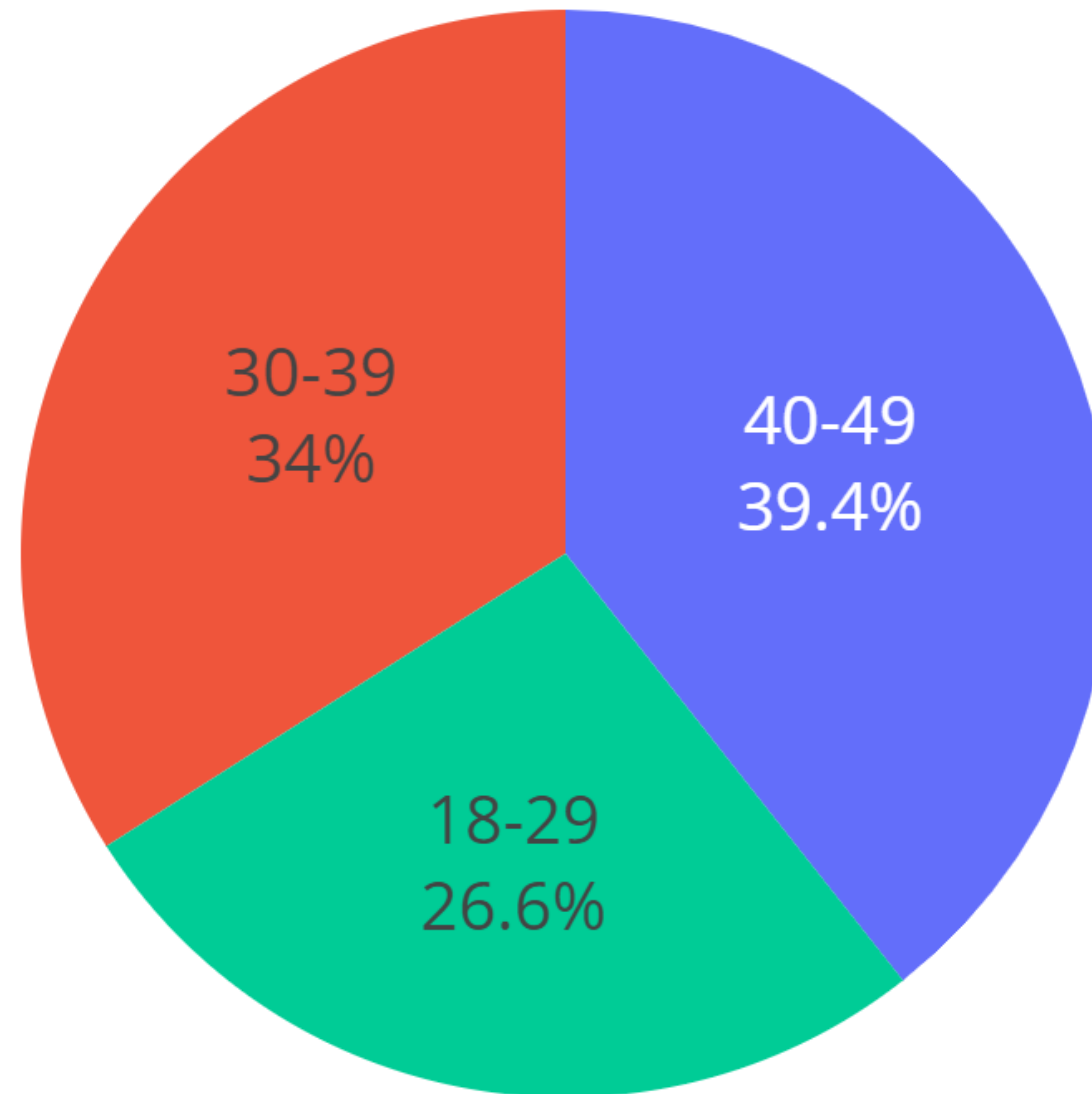
# Categorical variables and frequency

Number of Participants by Age Group



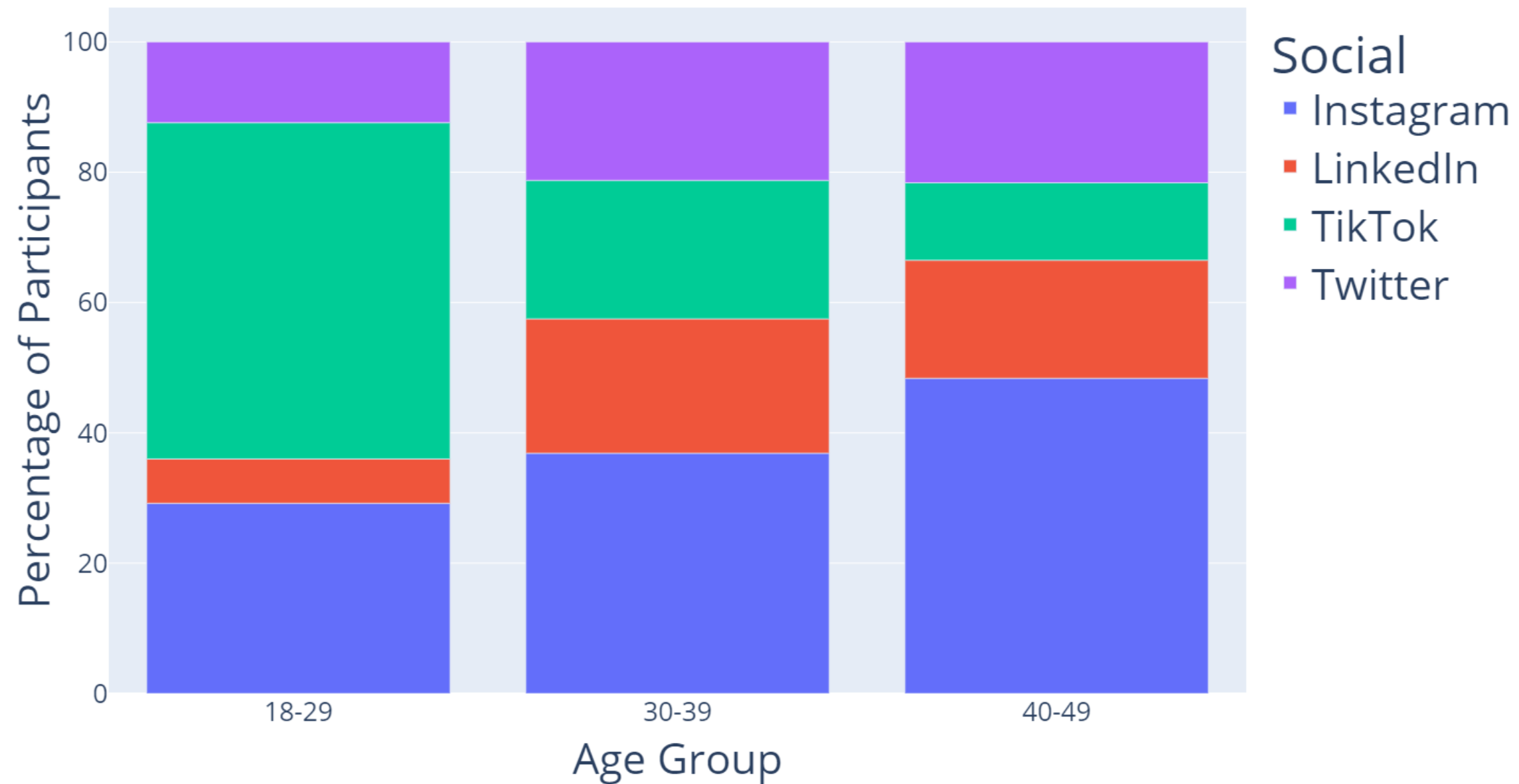
# Categorical variables and percentages

Percentage of Participants by Age Group



# Proportions across multiple categorical variables

Percentage of Participants by Age Group

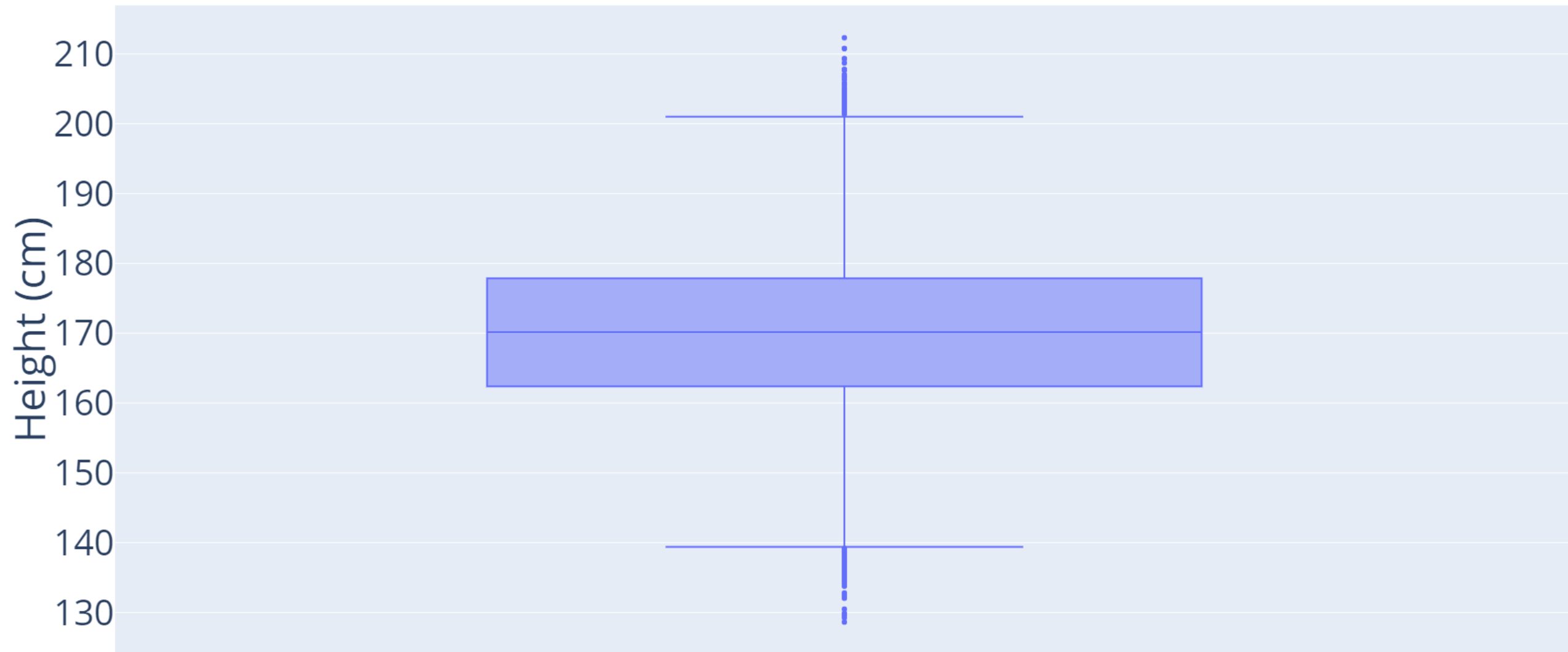


# Categorical variables with descriptive statistics

Age Group	Median Hours per Day on Social Media
18-29	6
30-39	3
40-49	3

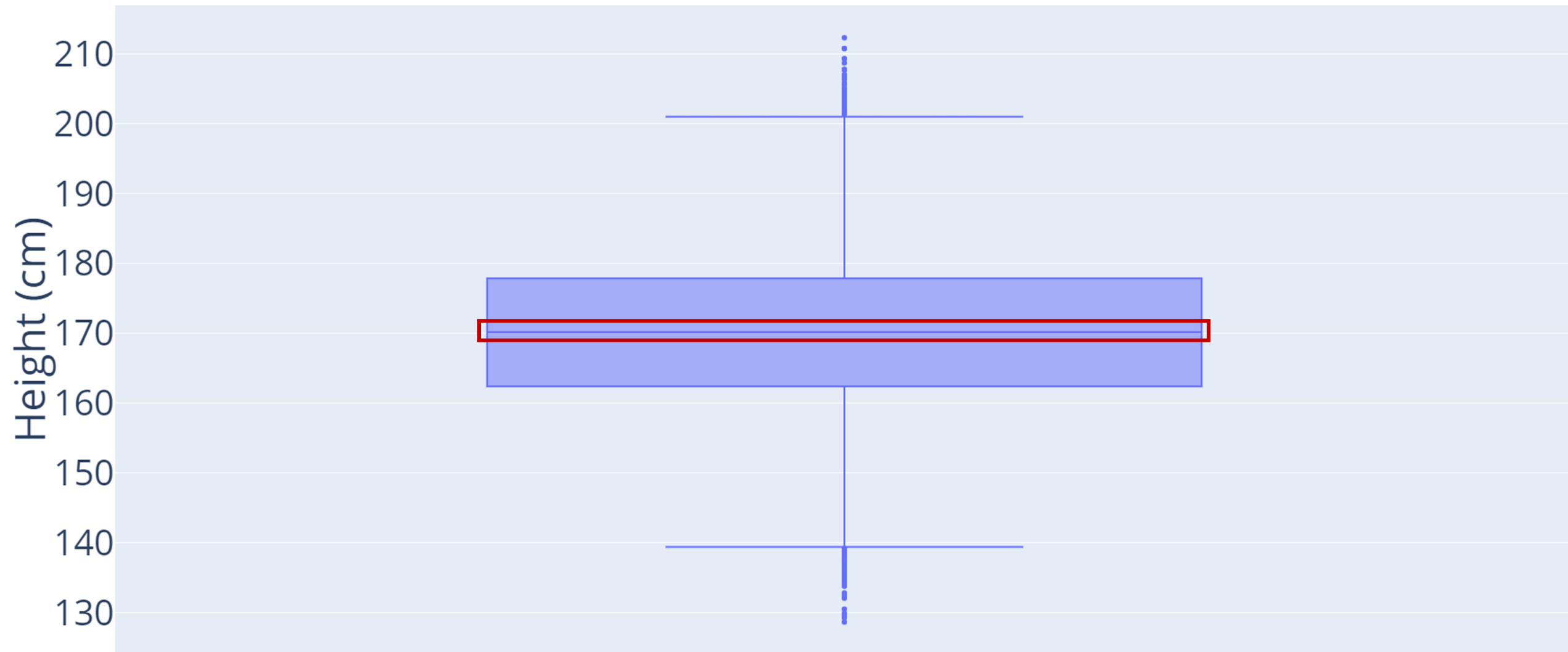
# What are boxplots?

Heights of People



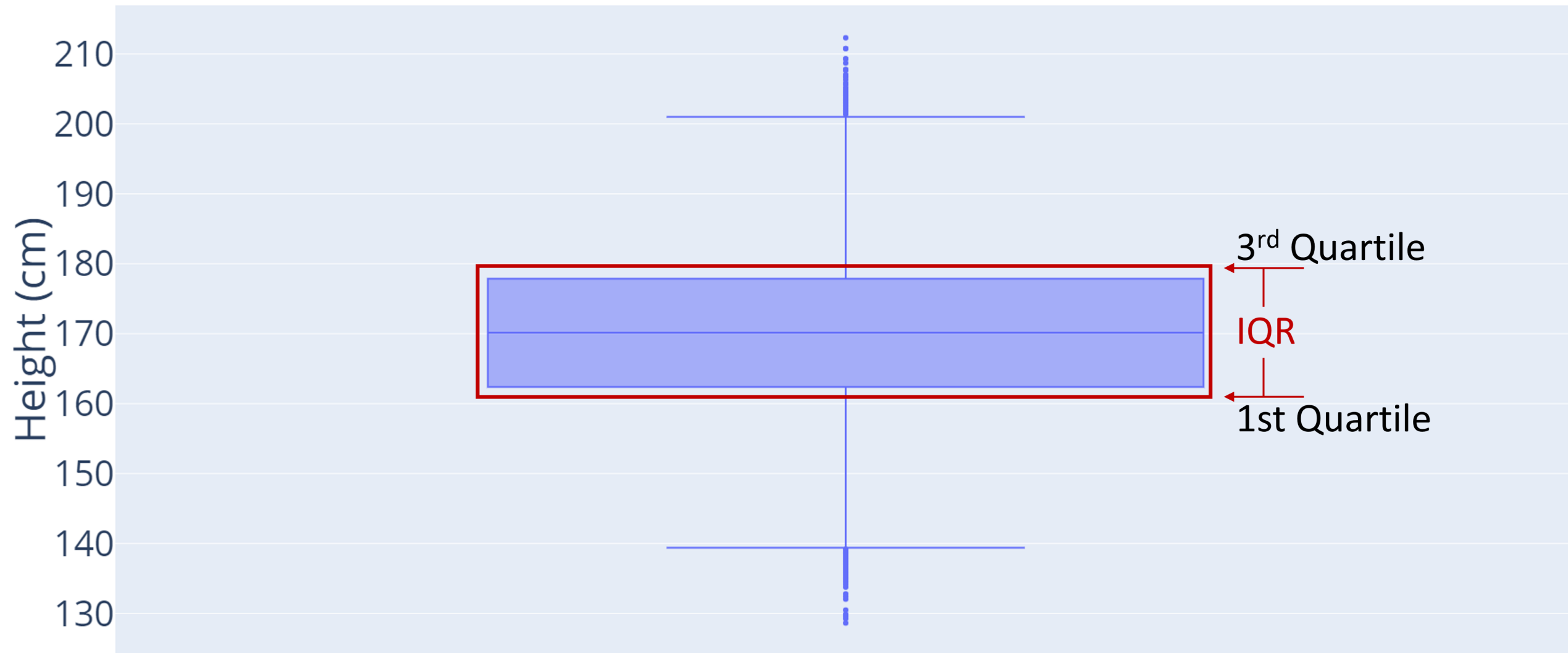
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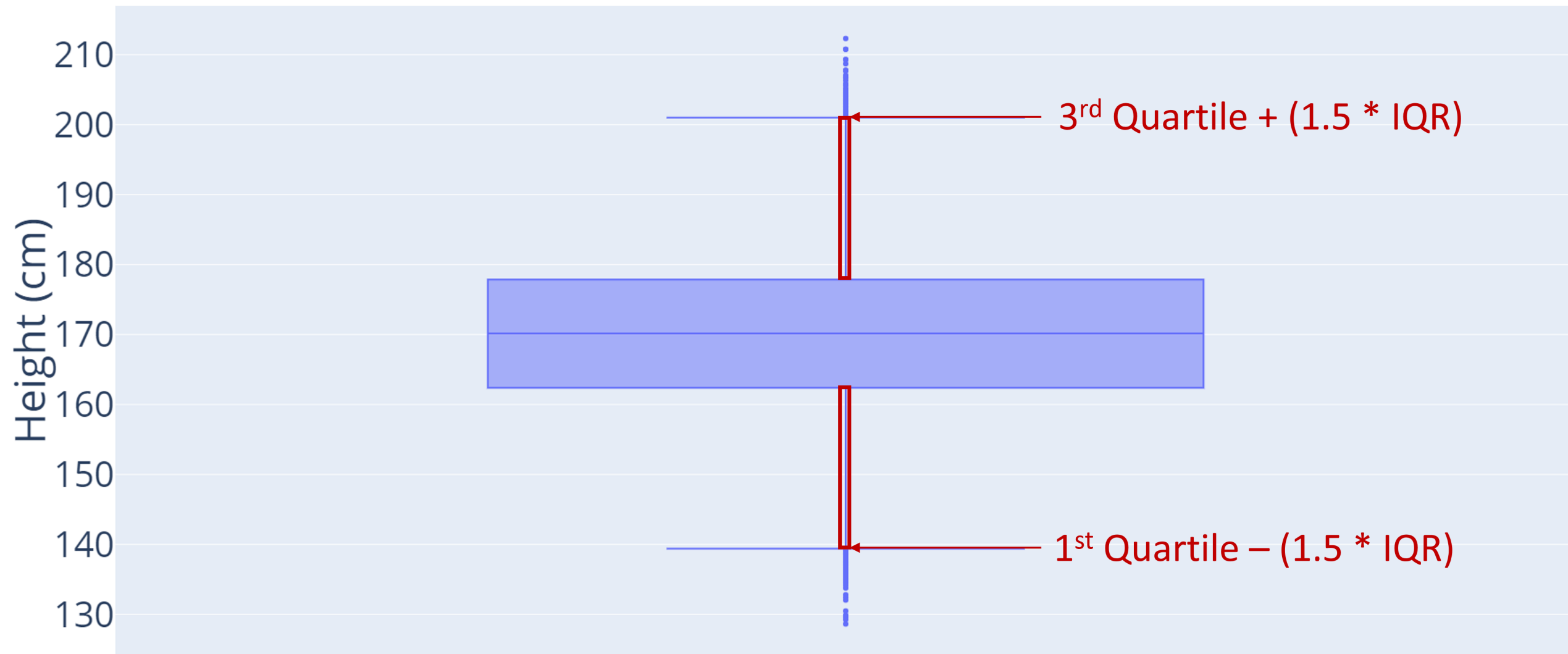
Heights of People





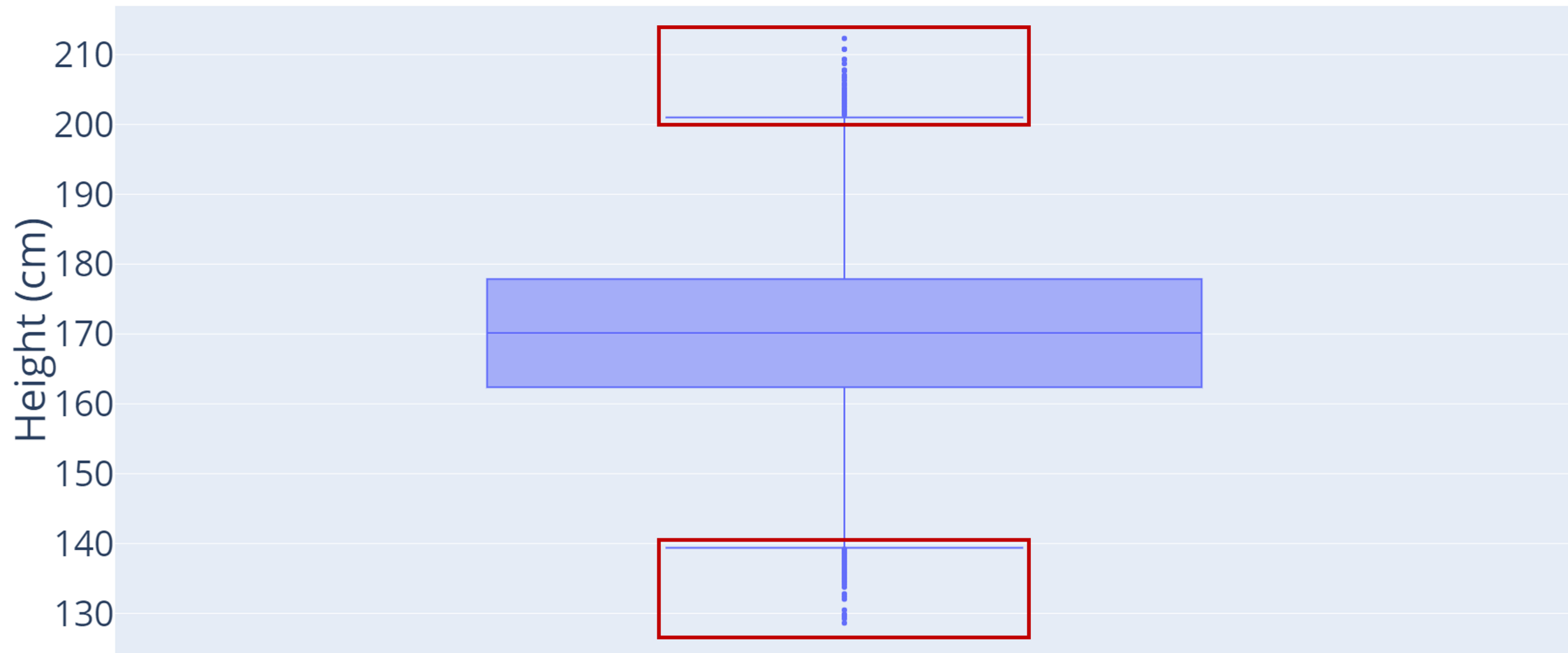
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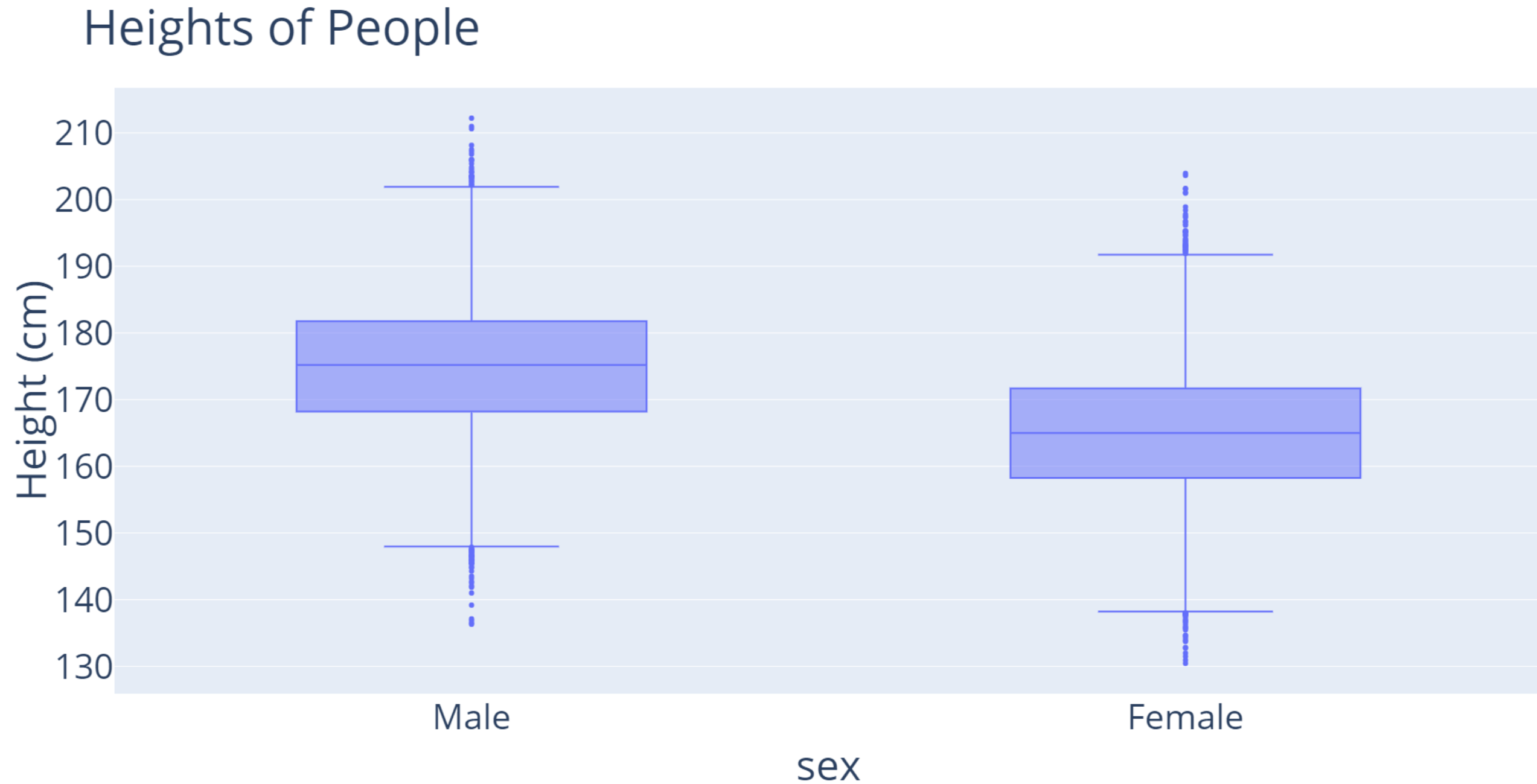


# What are boxplots?

Heights of People



# Comparing distributions with categorical variables



# Creating new variables

Data mutation: creating new variables to refine an analysis or visualization

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Age	Age Group
18	Teen
19	Teen
20	Early Adult
21	Early Adult
30	Adult
31	Adult
40	Middle Age
41	Middle Age

Course Title	Course Type
Introduction to Power BI	Power BI
Unsupervised Learning in R	R
DAX in Power BI	Power BI
Introduction to Python	Python

# Let's practice!

EXPLORATORY DATA ANALYSIS IN POWER BI

# Exploring categorical variables with AirBnB data

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# Let's practice!

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