

EDA with categorical variables

EXPLORATORY DATA ANALYSIS IN POWER BI

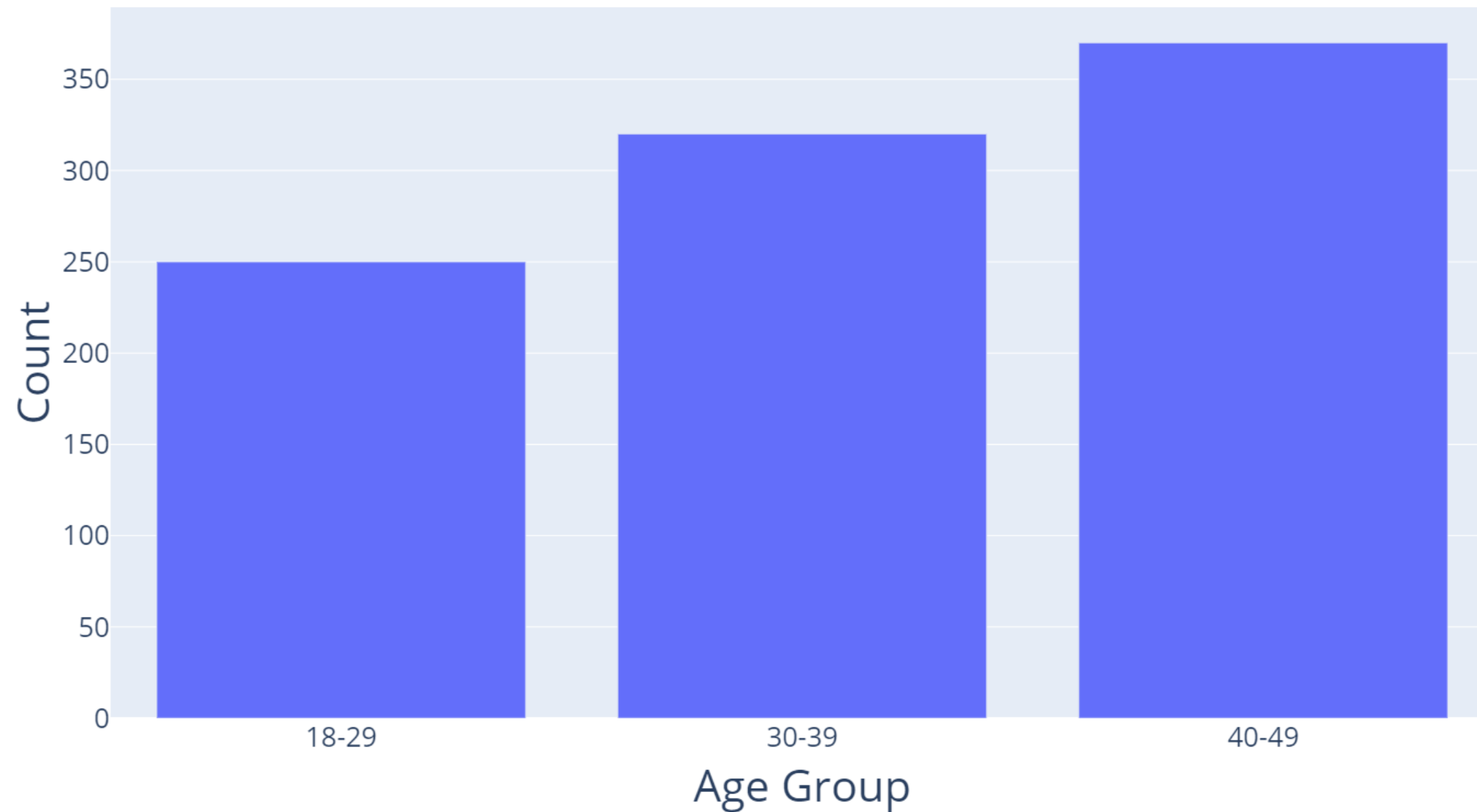


Maarten Van den Broeck

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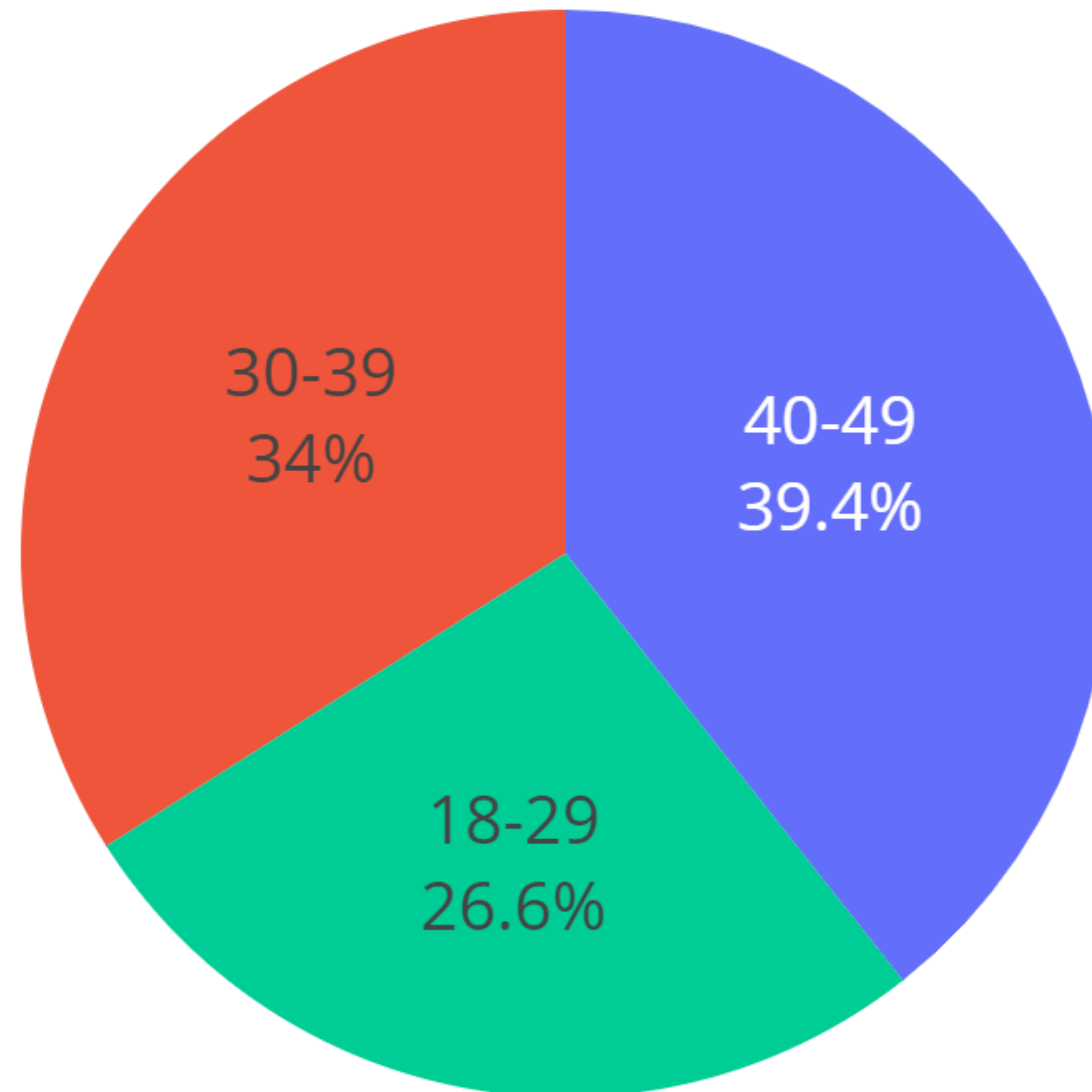
Categorical variables and frequency

Number of Participants by Age Group



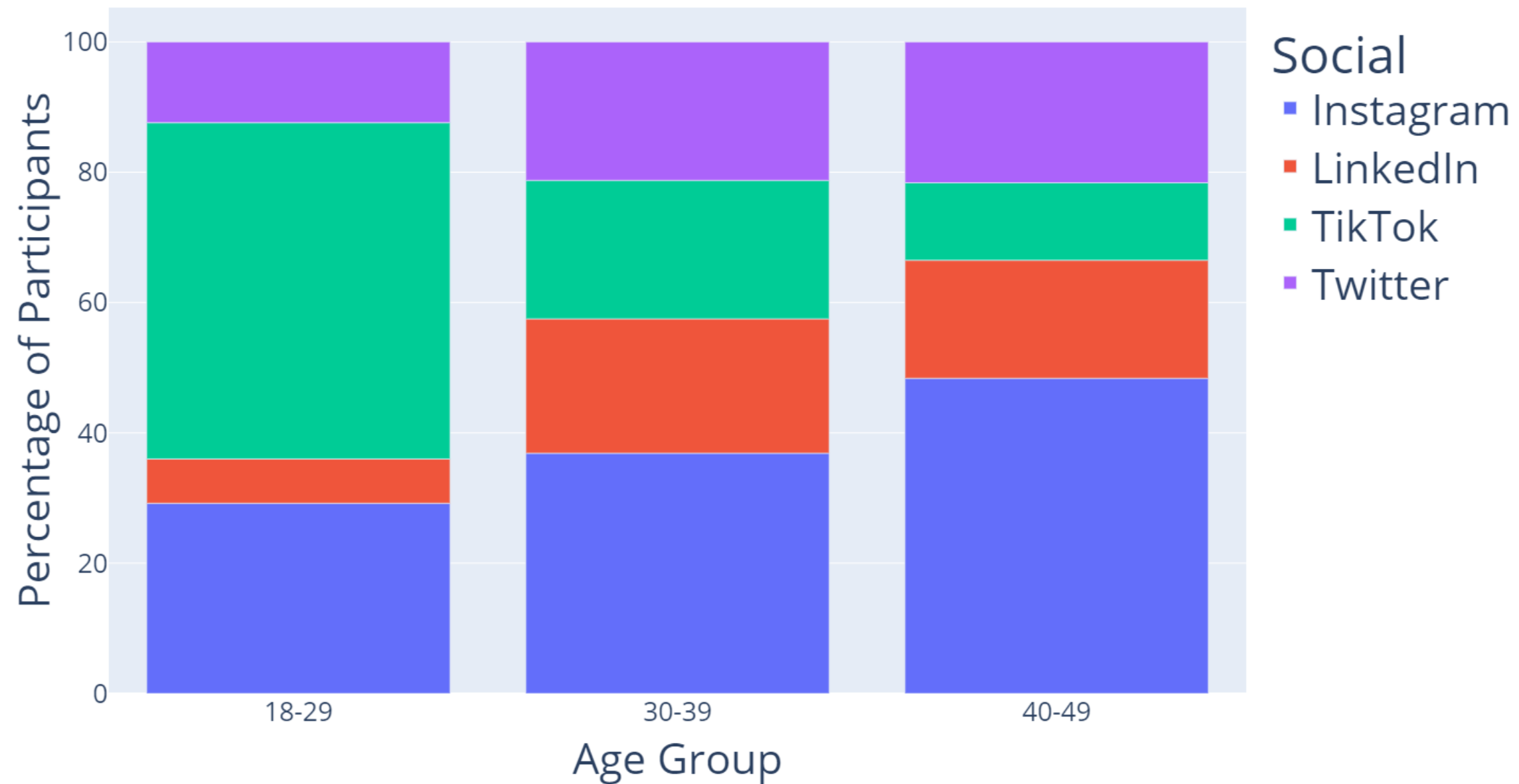
Categorical variables and percentages

Percentage of Participants by Age Group



Proportions across multiple categorical variables

Percentage of Participants by Age Group

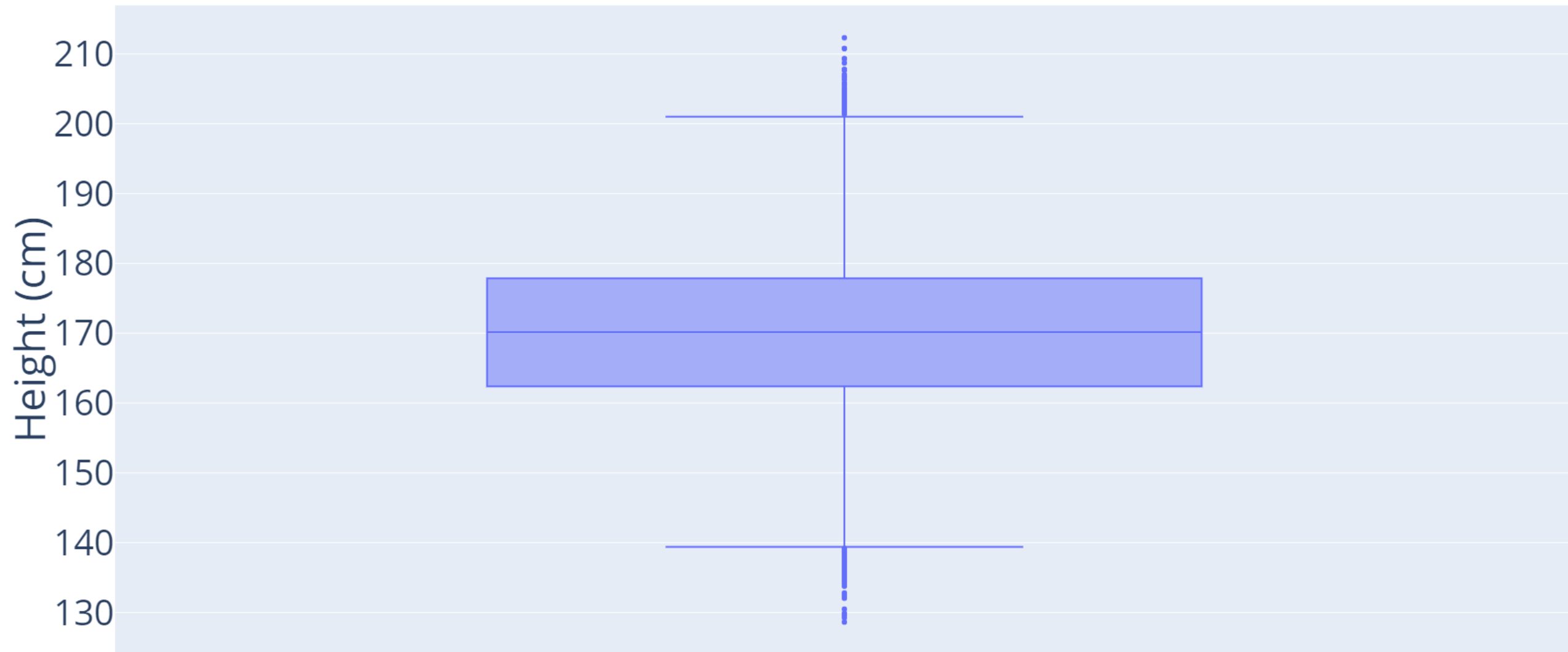


Categorical variables with descriptive statistics

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

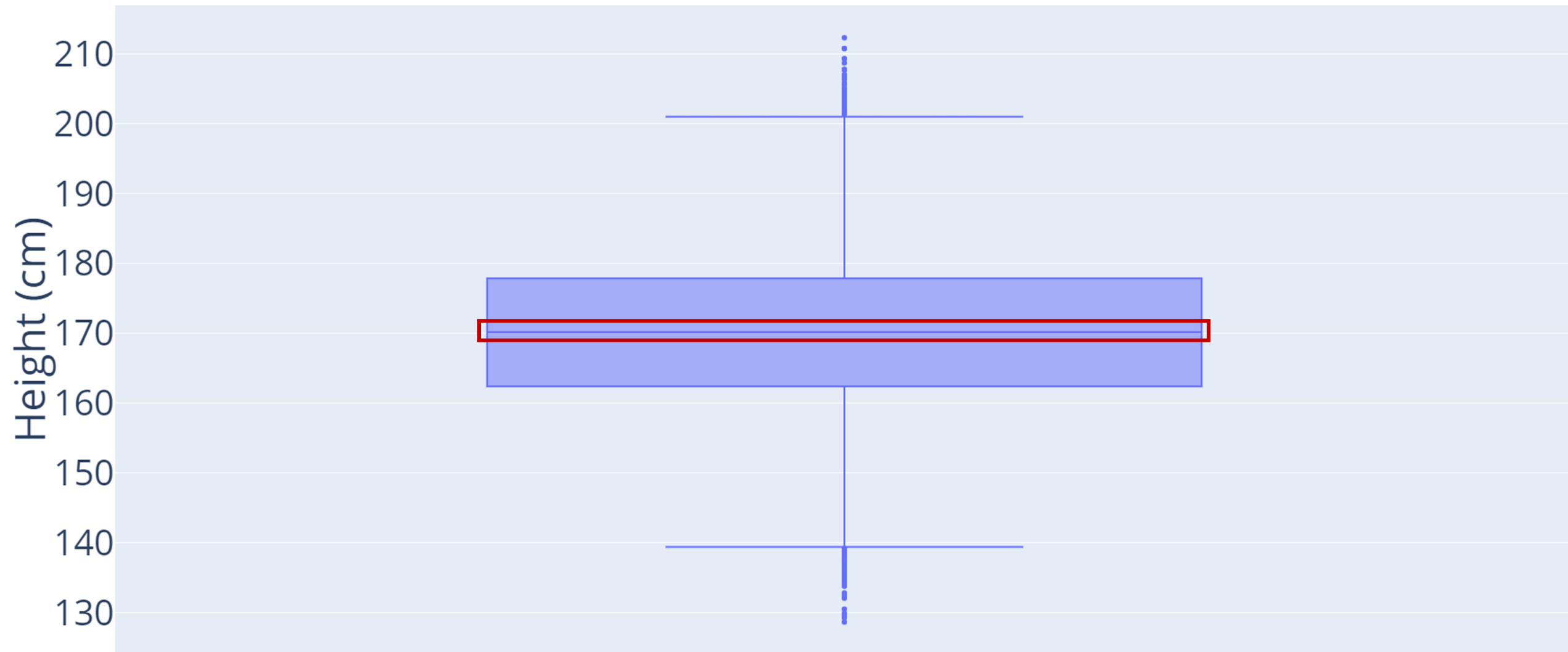
What are boxplots?

Heights of People



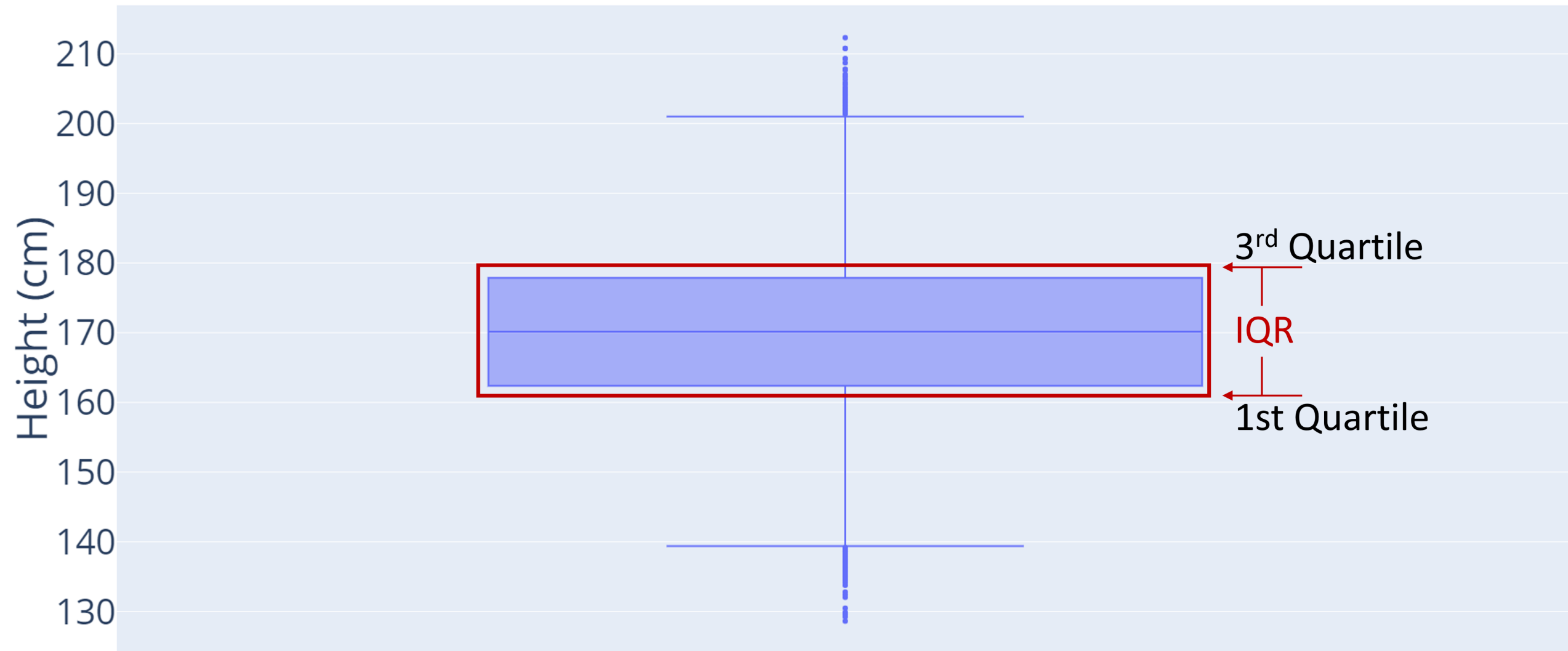
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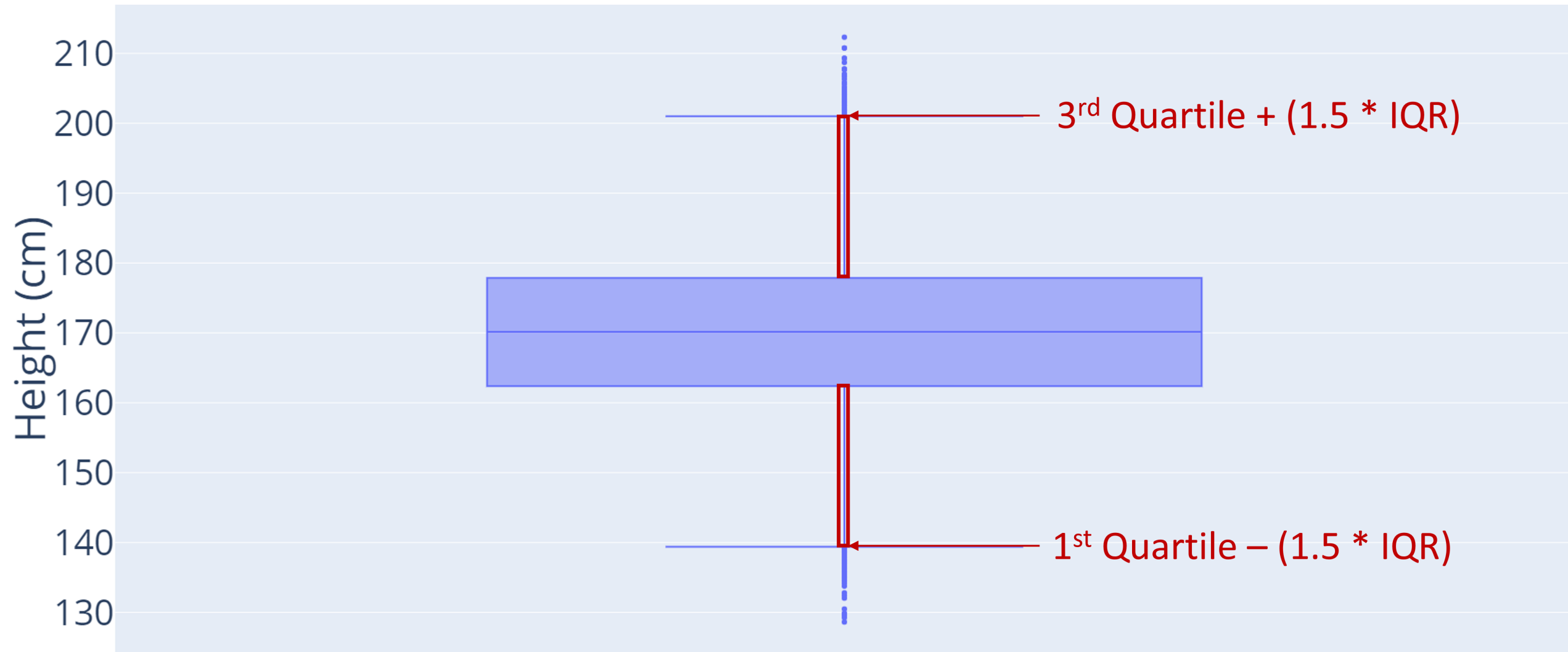
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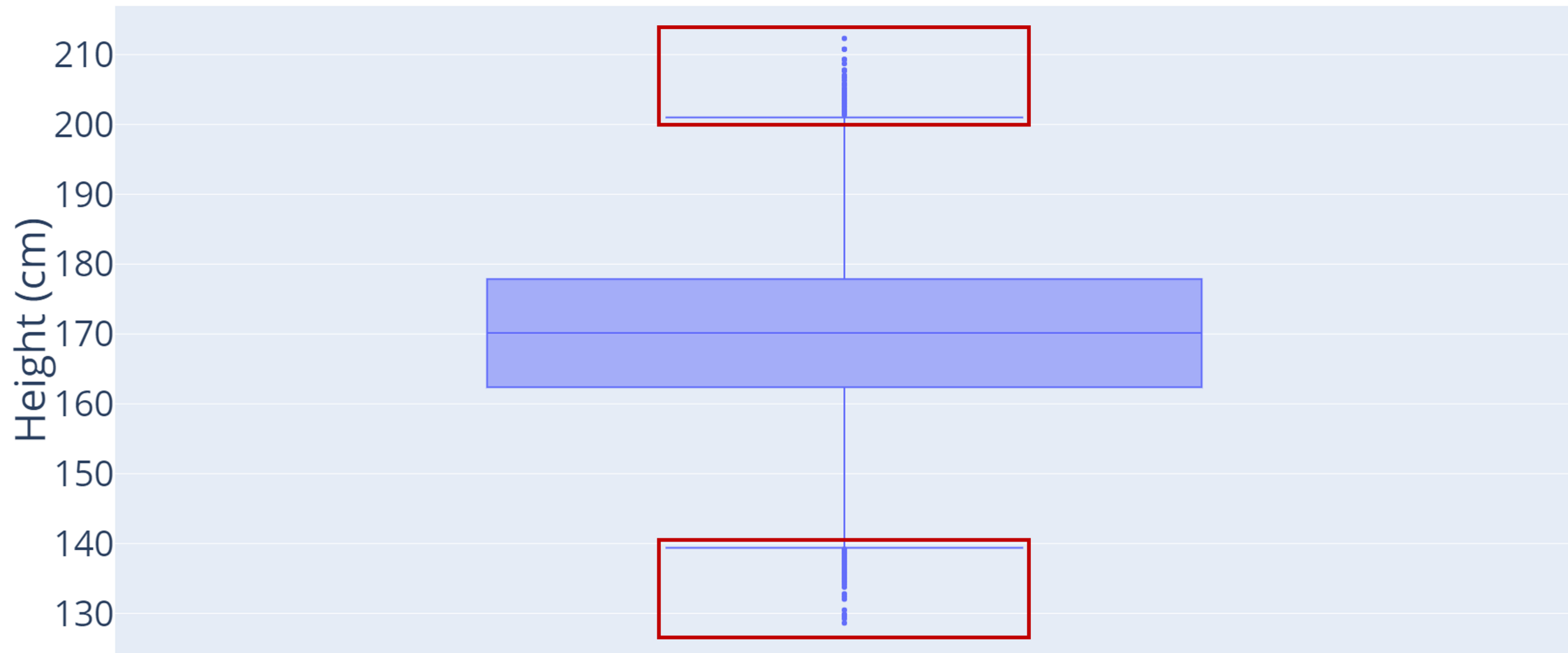
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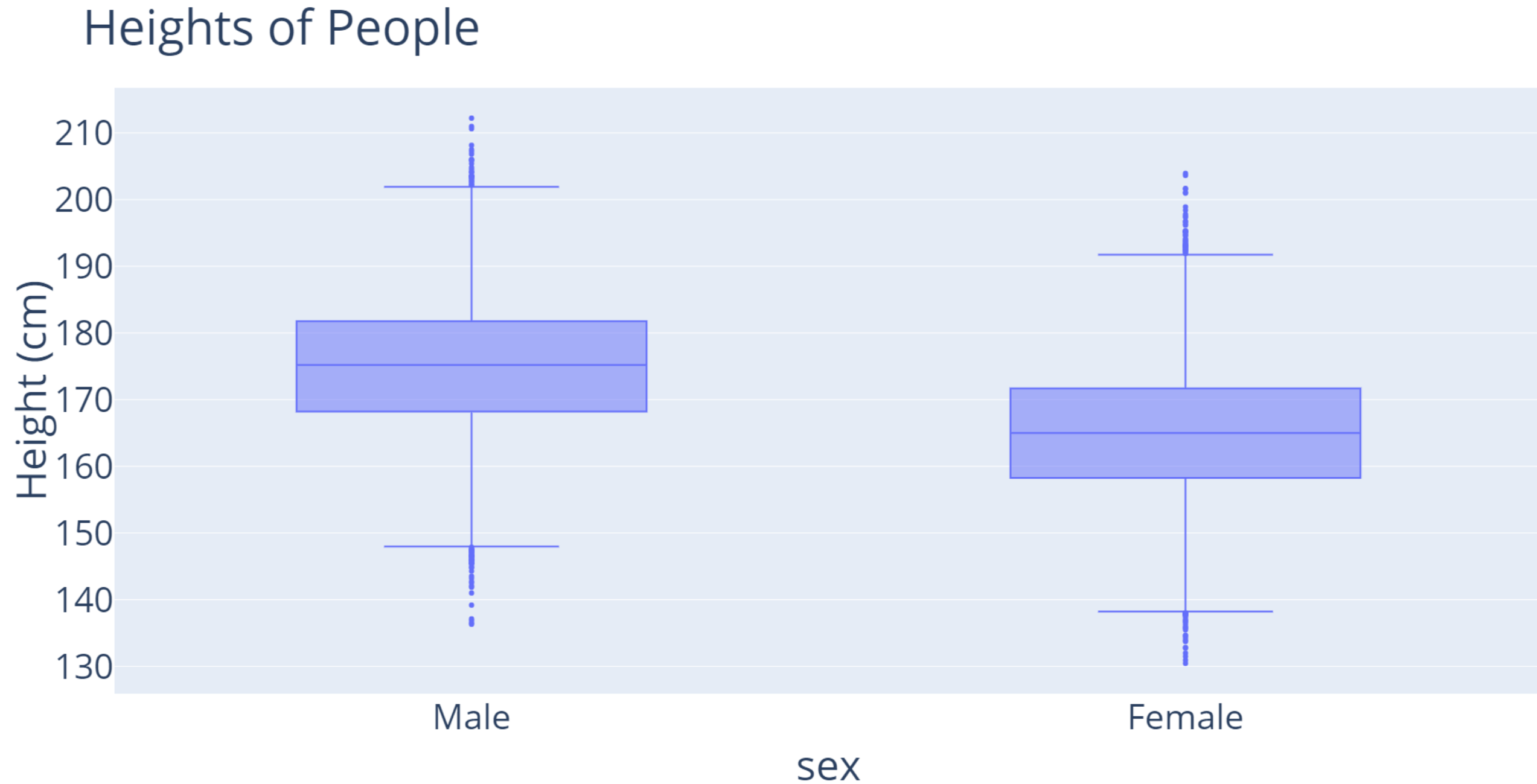


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Heights of People



Comparing distributions with categorical variables



Creating new variables

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

Creating new variables

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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!

EXPLORATORY DATA ANALYSIS IN POWER BI