Relationships between continuous variables

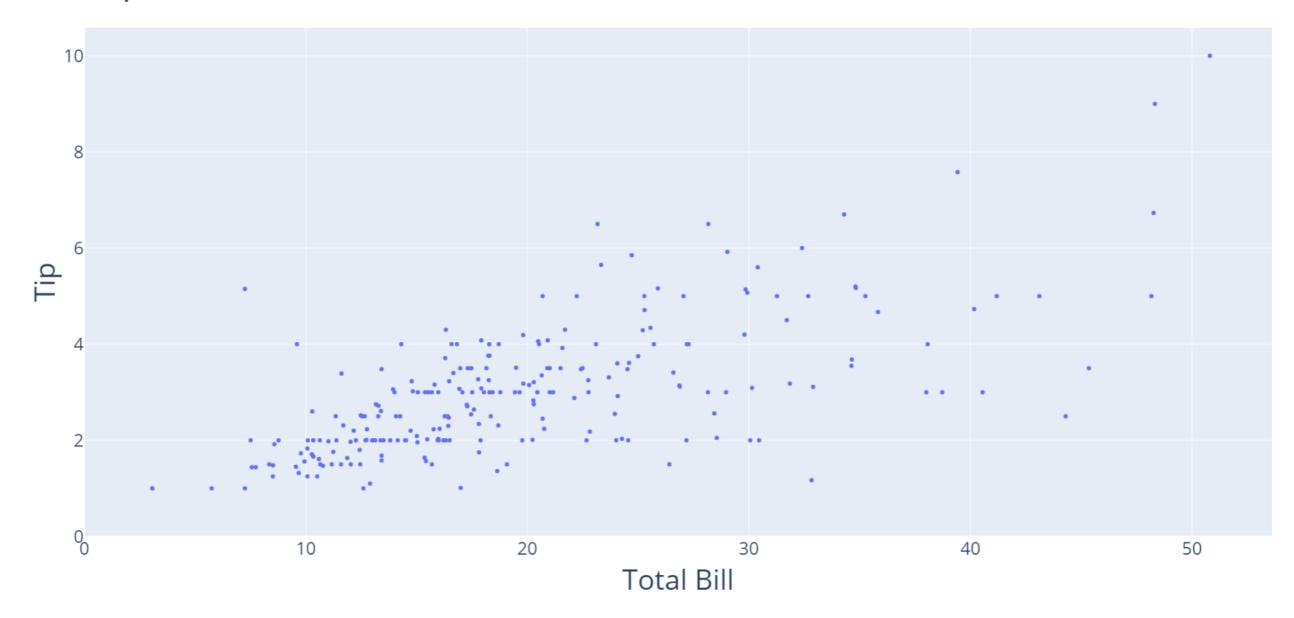
EXPLORATORY DATA ANALYSIS IN POWER BI



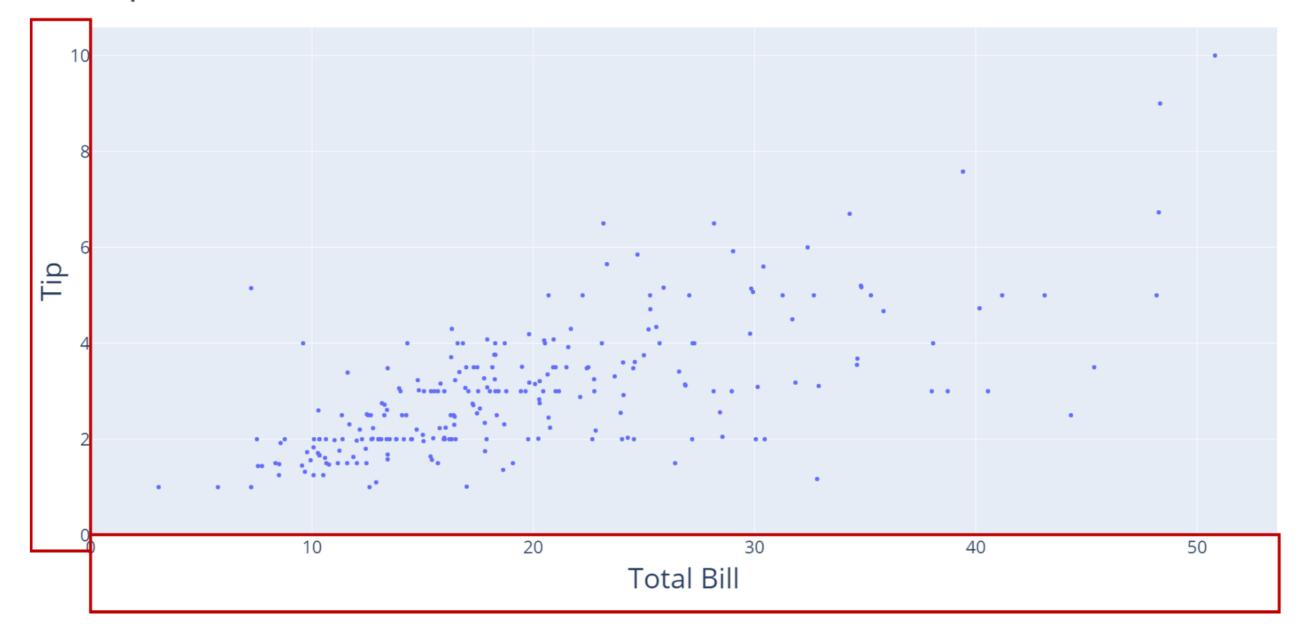
Maarten Van den Broeck Content Developer at DataCamp



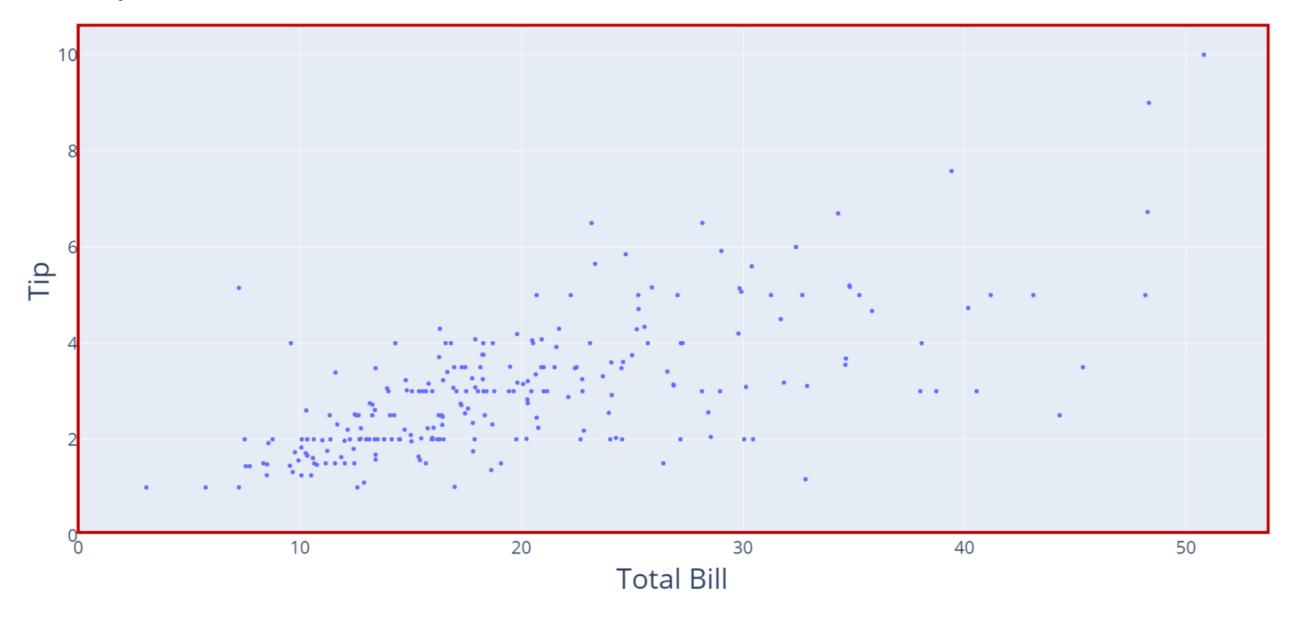
What are scatter plots?



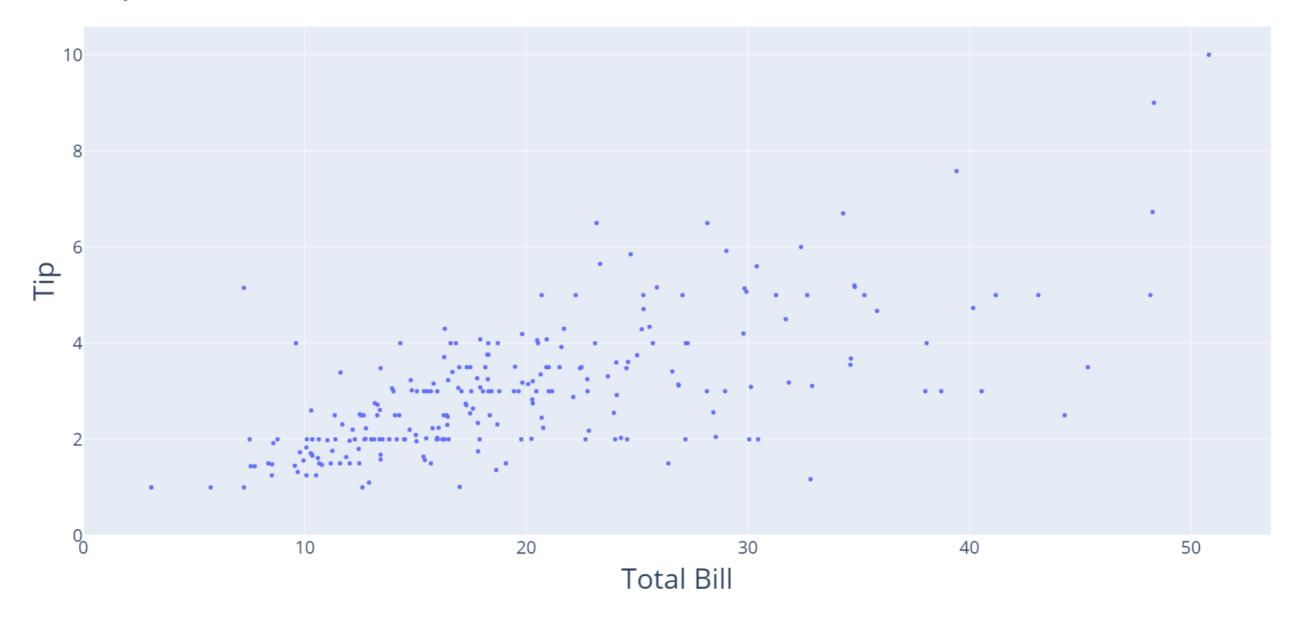
What are scatter plots?

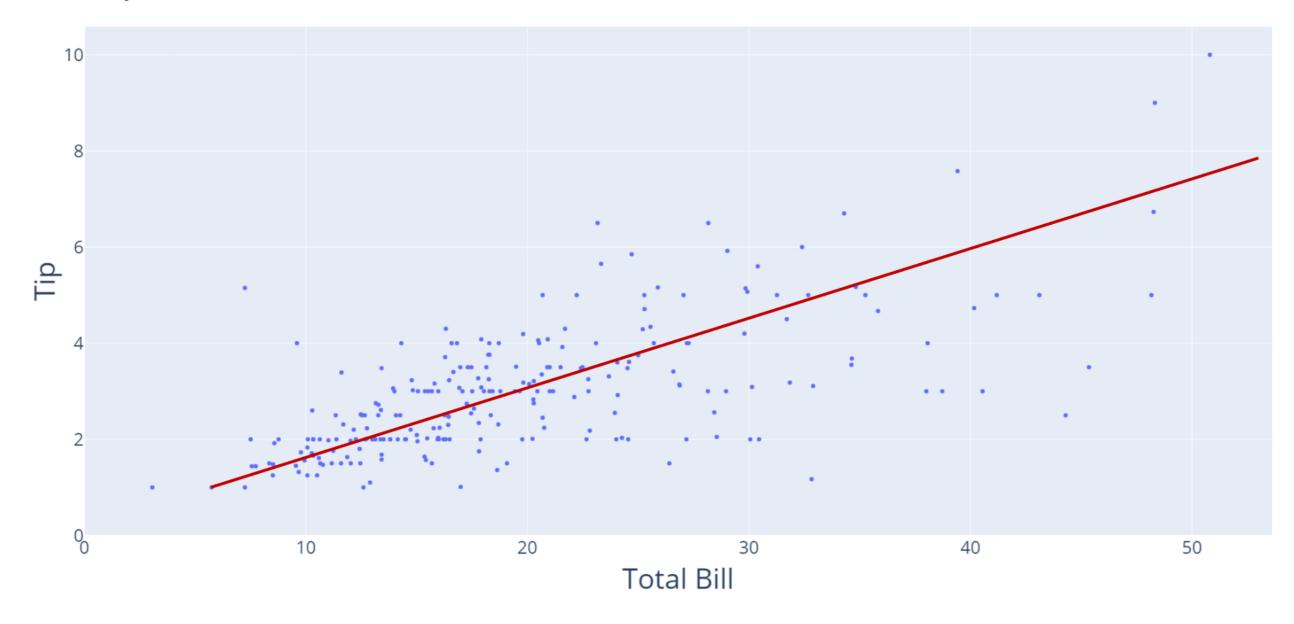


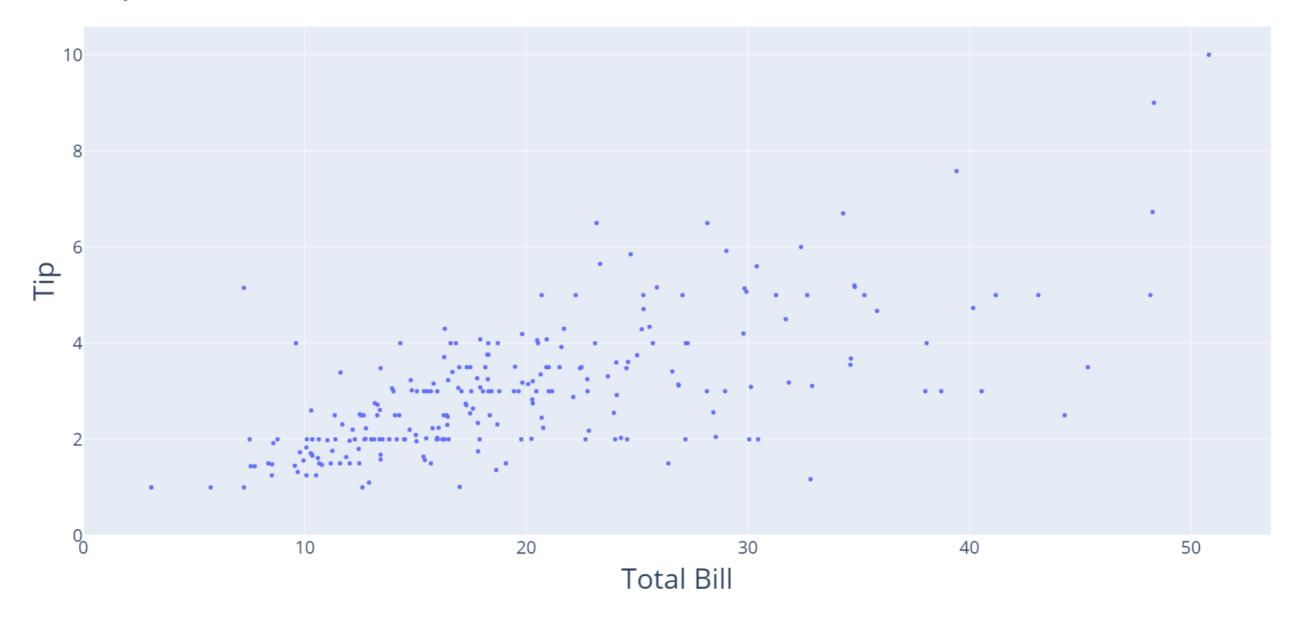
What are scatter plots?



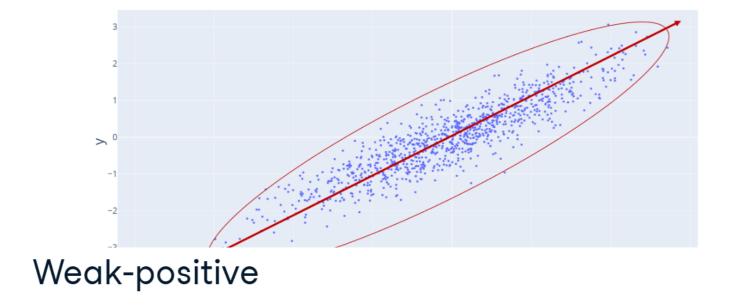


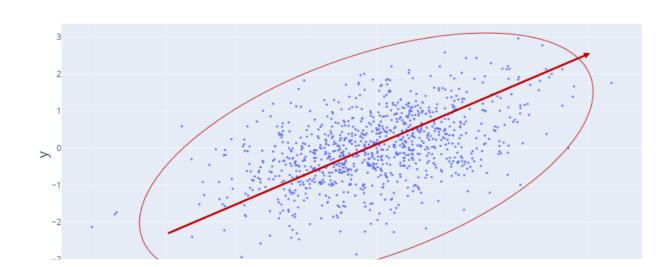




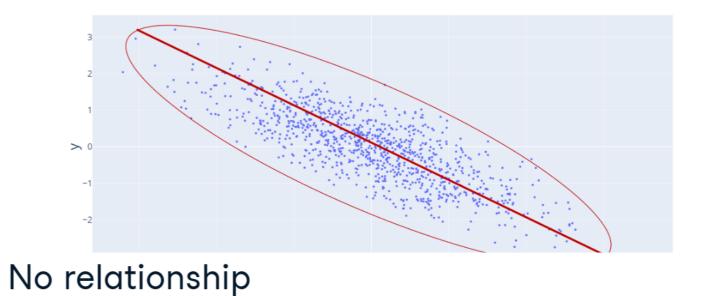


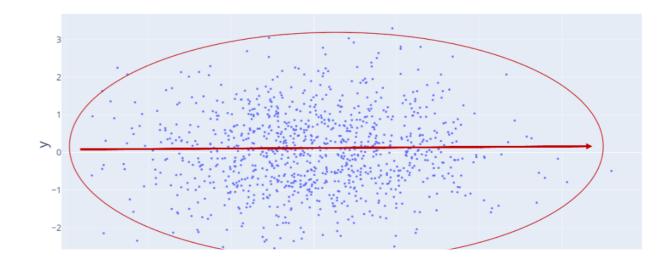
Strong-positive





Strong-negative





Correlation coefficient

- Used to quantify the relationship
- Represented by the letter, r

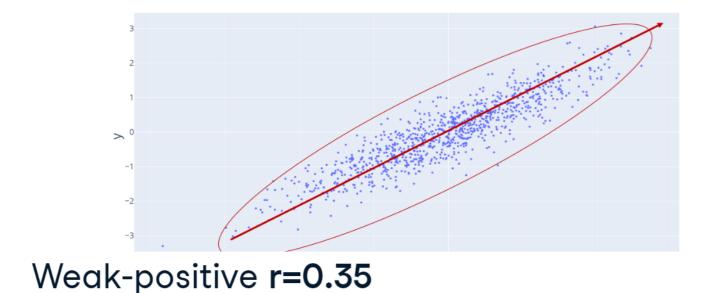
r=	Relationship description
-1	Strong-negative
0	No relationship
1	Strong-positive

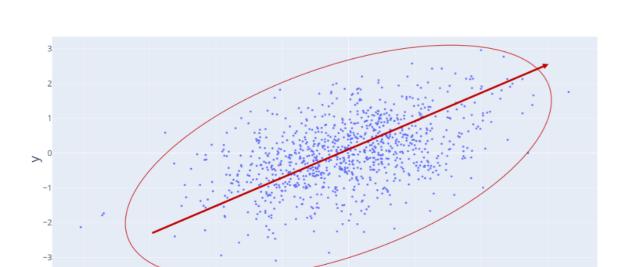
Calculating the correlation coefficient is beyond the scope of this course

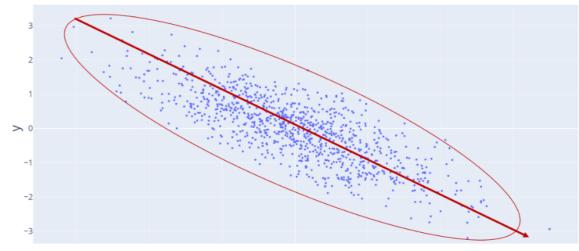
Correlation coefficient and scatter plots

Strong-positive r=0.9

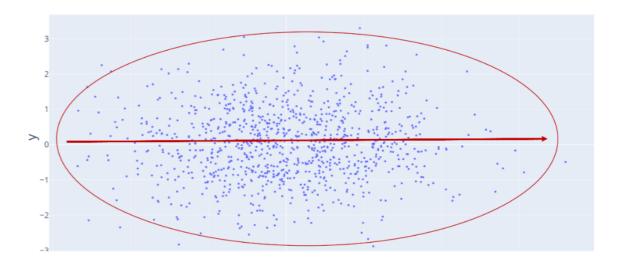
Strong-negative **r=-0.9**



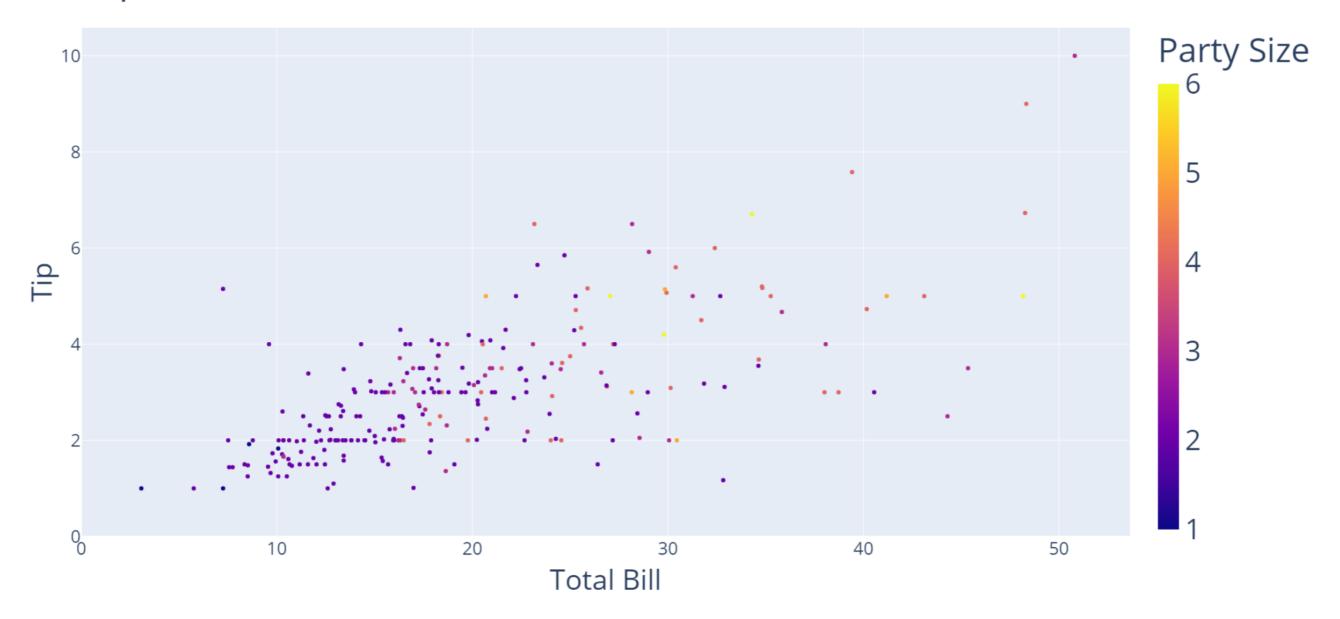








Adding context to a scatter plot





Let's practice!

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Exploring AirBnB listings with scatter plots

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Let's practice!

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Congratulations!

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Your first steps with EDA

- Identifying and imputation of missing data
- Address outliers
- EDA with categorical variables
- EDA with continuous variables

- Histograms
- Box plots
- Scatter plots

What's next?

- Trend Analysis in Power Bl
 - Time series
 - Decomposition trees
 - Key influencers

Let's practice!

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