

# Rotation 6: Categorical Data

Content Area: **Mathematics**  
Course(s):  
Time Period: **Default**  
Length: **Rotation 6**  
Status: **Published**

## Summary

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- Use two-way tables and bar graphs to identify associations in categorical data

## Standards

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MA.8.SP.A.4

Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables.

## Materials

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### *Desmos Grade 8 Unit 6*

#### [Lesson 9: Tasty Fruit](#)

- I can identify and represent the same data in bar graphs and in two-way frequency tables.

#### [Lesson 10: Finding Associations](#)

- I can use relative frequencies in tables and in segmented bar graphs to decide if there is an association between two variables.

#### [Lesson 11: Federal Budgets](#)

- I can make relative frequency tables and segmented bar graphs from frequency tables.
- I can use a representation of data to decide if there is an association between two variables.

## Assessment

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- Observation
- Cool Downs
- Quizzes

