

# Bar Graphs

GOOGLE SHEETS GRAPHING TUTORIAL:

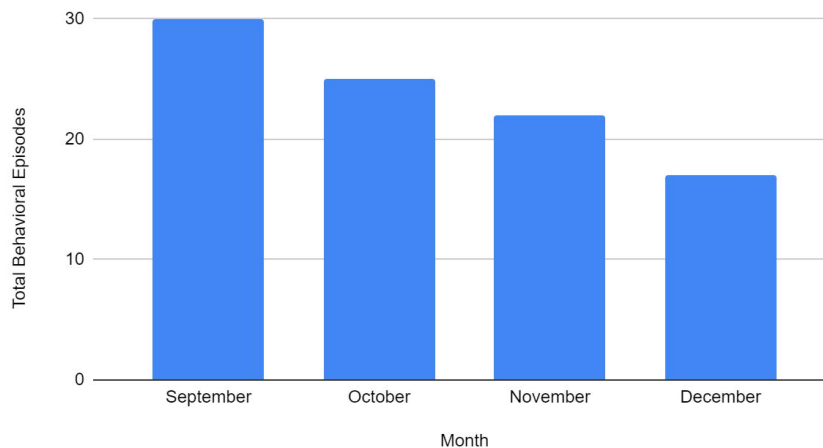
(8 minutes)

<https://www.youtube.com/watch?v=YuoywgNE2xA>

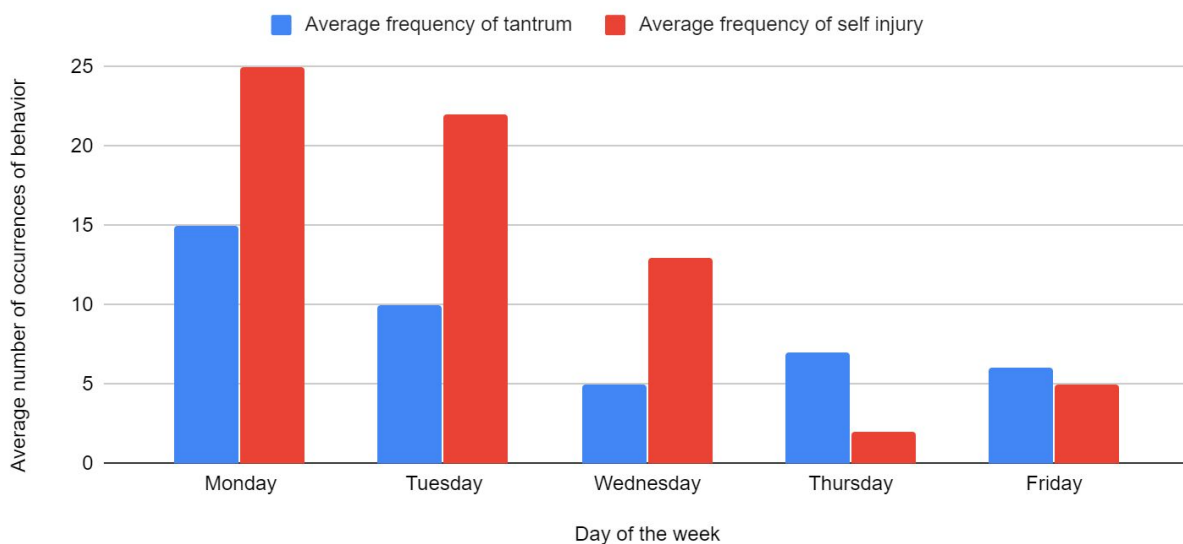
- Should be used to summarize data by behavior type over the course of a longer time of progress monitoring. Bar graphs should not be used to graph daily behavior data.
- Average frequency or duration by day of the week, activity, class period to look for patterns of when a behavior might be more likely to occur
- Total frequency of behavior by intensity rating
- Total frequency or duration of a target behavior per month/ quarter/ semester

EXAMPLES:

Total Behavioral Episodes per Month



Average of target behaviors by day of the week



Created by: Megan Palombella, 2020

<http://autismteachingsupports.weebly.com/>

# Interval Graphs

GOOGLE SHEETS GRAPHING TUTORIAL:

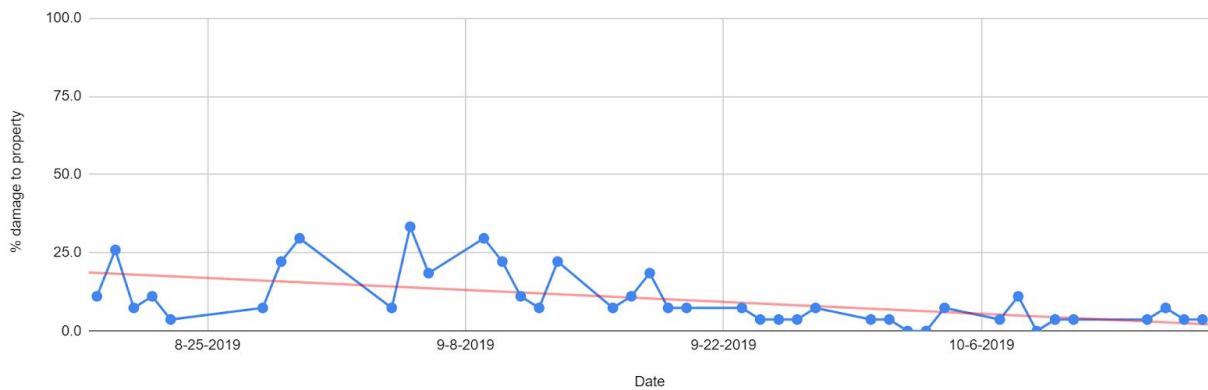
(10 minutes)

[https://www.youtube.com/watch?v=Rf8Gy8Wm\\_Ng](https://www.youtube.com/watch?v=Rf8Gy8Wm_Ng)

- For partial or whole interval data
- Represented as a percentage (not frequency of intervals the behavior occurred per day)
- Make sure the y-axis is from 0-100 since you are showing a percentage

EXAMPLE:

Percentage of 15 minute intervals with damage to property

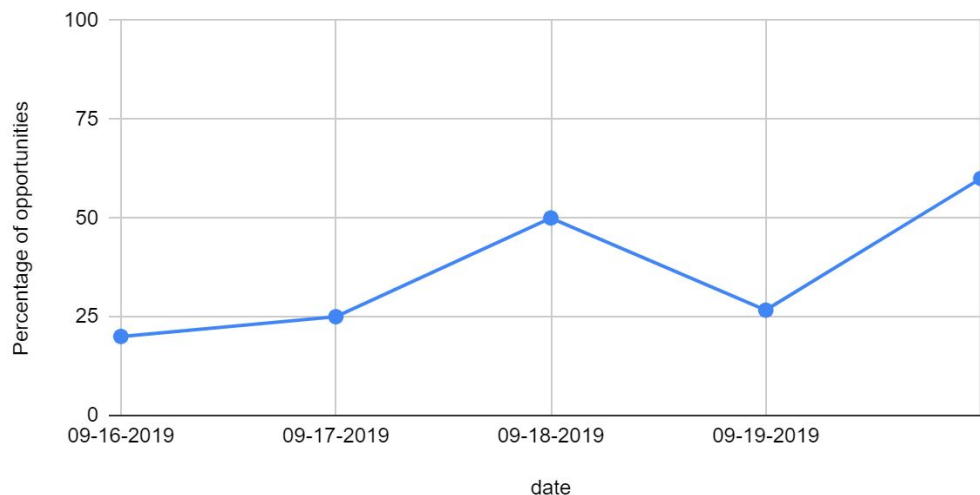


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Percentage of opportunities that student requests a break independently per day



## Pie Charts

GOOGLE SHEETS GRAPHING TUTORIAL:

(10 minutes)

<https://www.youtube.com/watch?v=qcgUD4dJIdE>

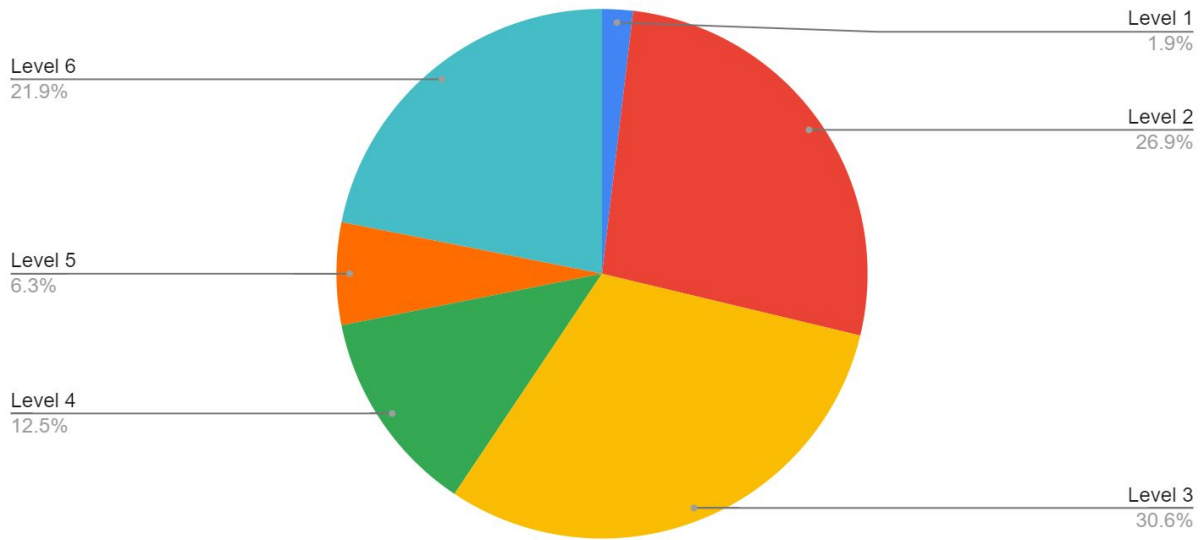
- ABC data (antecedent, behavior, consequence) for a functional behavioral analysis
- Setting/ activity by behavior for a functional behavioral analysis
- Intensity Data

EXAMPLE:

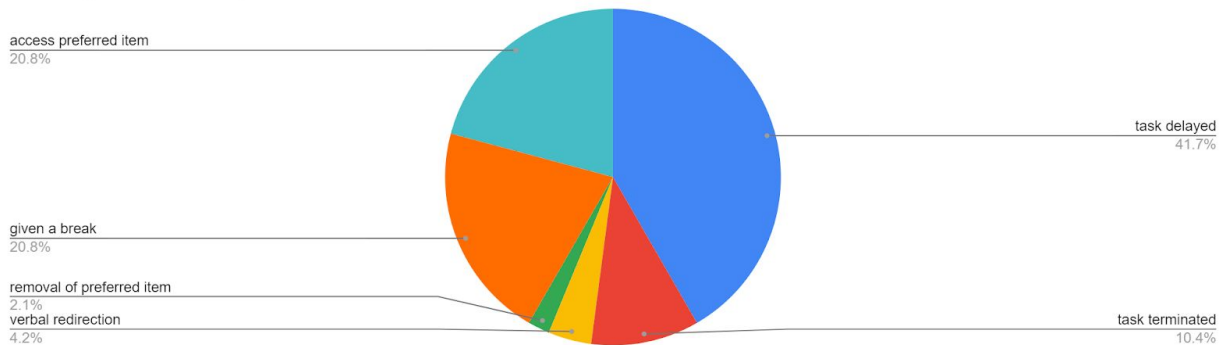
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## Physical Aggression by Intensity Rating



## Consequences to Elopement



## Scatterplot

GOOGLE SHEETS GRAPHING TUTORIAL:

(6 minutes)

<https://www.youtube.com/watch?v=19npTJV9D-c>

- Episode- multiple behaviors happening per day of varying durations (ex: duration of tantrums per episode, with multiple episodes happening per day)

EXAMPLE

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	<p>Locate the column that contains the data you want an average of (ex: B)</p> <p>Locate the range of data. How many rows do you have? (ex: rows 2-20)</p> <p>=average(starting column &amp; row:ending column &amp; row)</p>
percentage	<p><b>=column &amp; row of target behavior/ column &amp; row of total opportunities/ trials*100</b></p> <p><b>Ex: =b2/c2*100</b></p> <p>To obtain the percentage of a range of data (for interval, % of opportunities, or accuracy) complete the following steps:</p> <p>Locate the column that contains the target behavior (ex: B)</p> <p>Locate the column the column that contains the total (ex: C)</p> <p>Divided the target behavior by the total and multiple by 100 to obtain a percentage</p> <p>=column &amp; row of target behavior/ column &amp; row of total opportunities/ trials*100</p>
sum (total)	<p><b>=sum(starting column &amp; row:ending column &amp; row)</b></p> <p><b>Ex: =sum(B2:B20)</b></p> <p>To obtain the sum (total) of a data set complete the following steps:</p> <p>Locate the column that contains the data you want a sum of (ex: B)</p> <p>Locate the range of data. How many rows do you have? (ex: rows 2-20)</p>