

Piechart/Donut Chart



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Summary

The **Piechart / Donut Chart** procedure plots a column of counts or frequencies using slices of a pie or sections of a donut. If desired, a selected slice may be offset from the rest of the pie or donut.

Sample StatFolio: *piechart.sgp*

Sample Data:

The file *election.sgp* contains a typical set of data for this procedure.

<i>Candidate</i>	<i>Respondents</i>
Bush	1455
Kerry	1356
Undecided	207

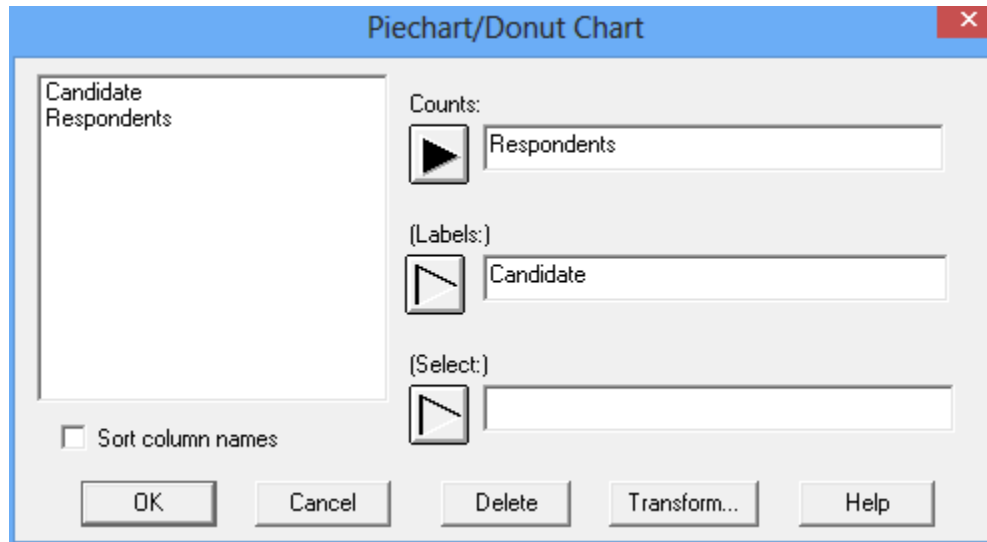
The above data shows the results of a poll of $n = 3,018$ likely voters prior to the 2004 U.S. presidential election. The data will be represented by

f_j = frequency corresponding to row j , (1)

where $j = 1, 2, \dots k$.

Data Input

The data input dialog box specifies the column containing the data to be plotted.



- **Counts:** numeric column with the data to be plotted.
- **Labels:** optional column with labels for each slice.
- **Select:** subset selection.

Analysis Summary

The *Analysis Summary* shows the number of data values and their sum.

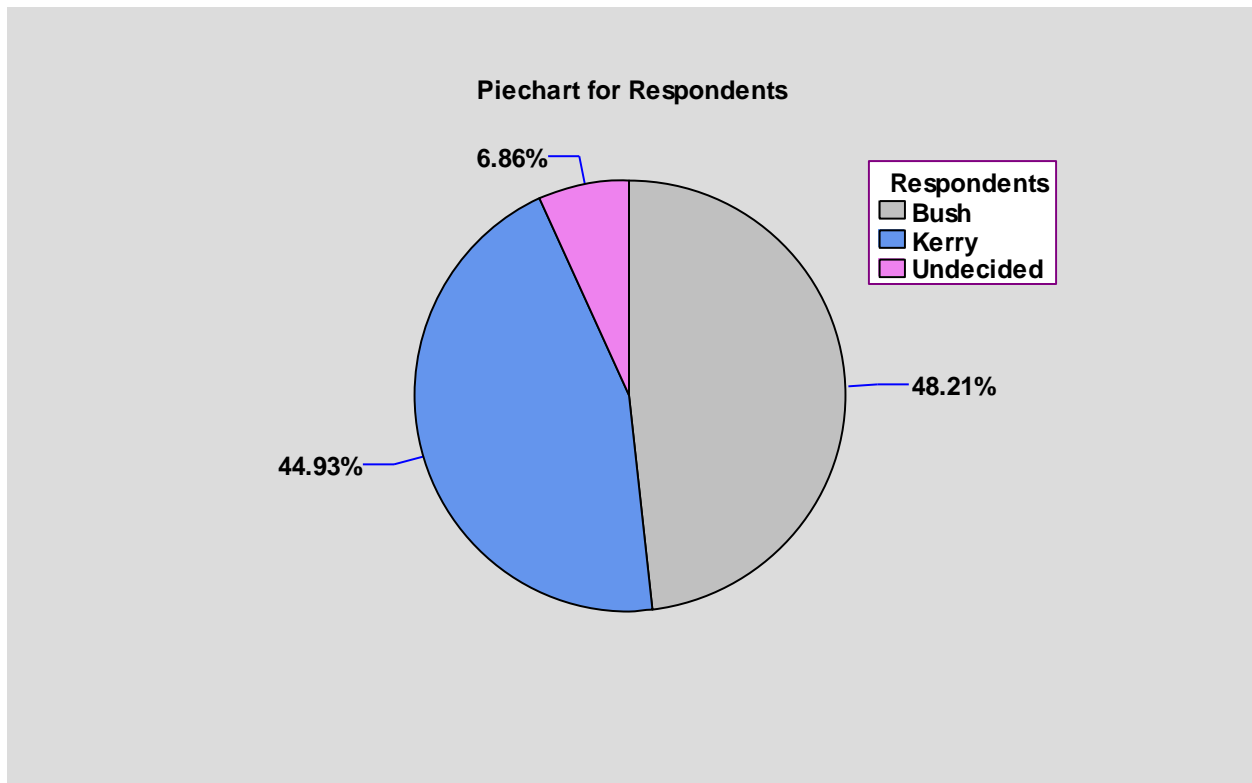
[Piechart - Respondents](#)

Data variable: Respondents

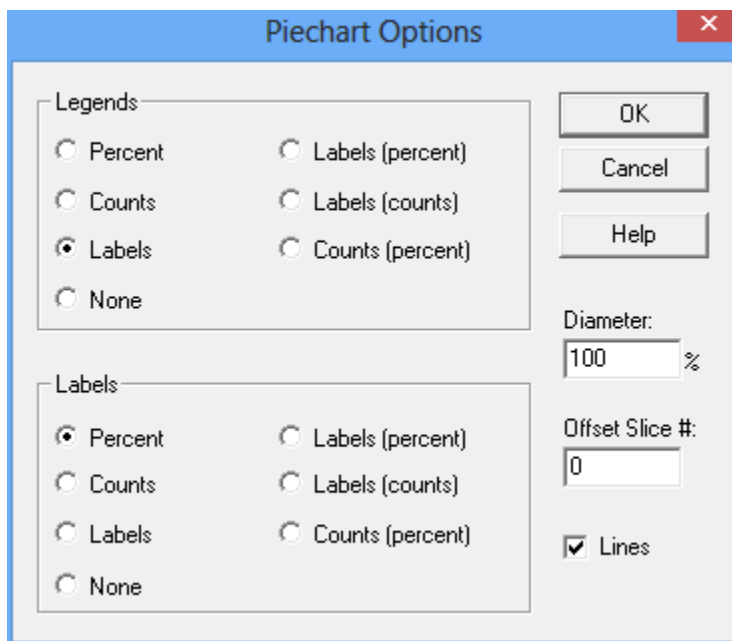
Sum of 3 values: 3018.0

Piechart

The *Piechart* plots each data value using slices of a pie to represent their relative magnitude.



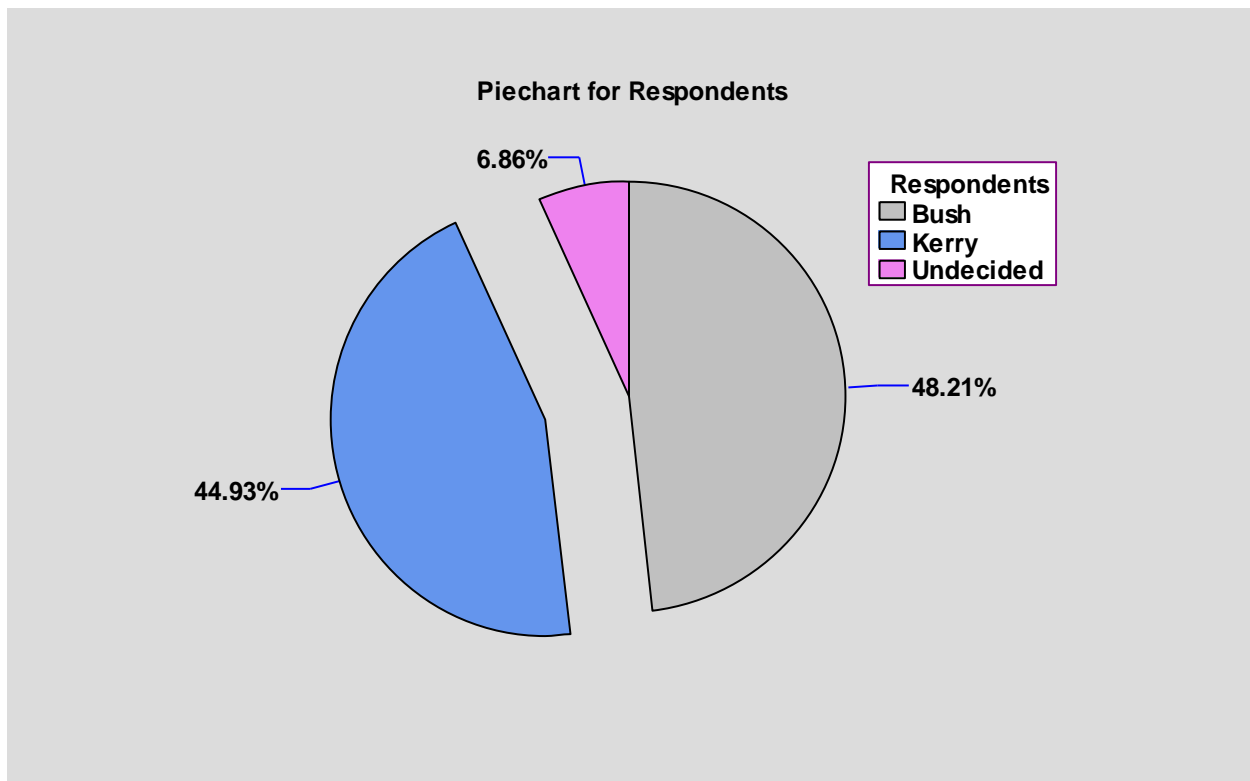
Pane Options



- **Legends:** the desired information to be placed in the legend block to the right of the pie.

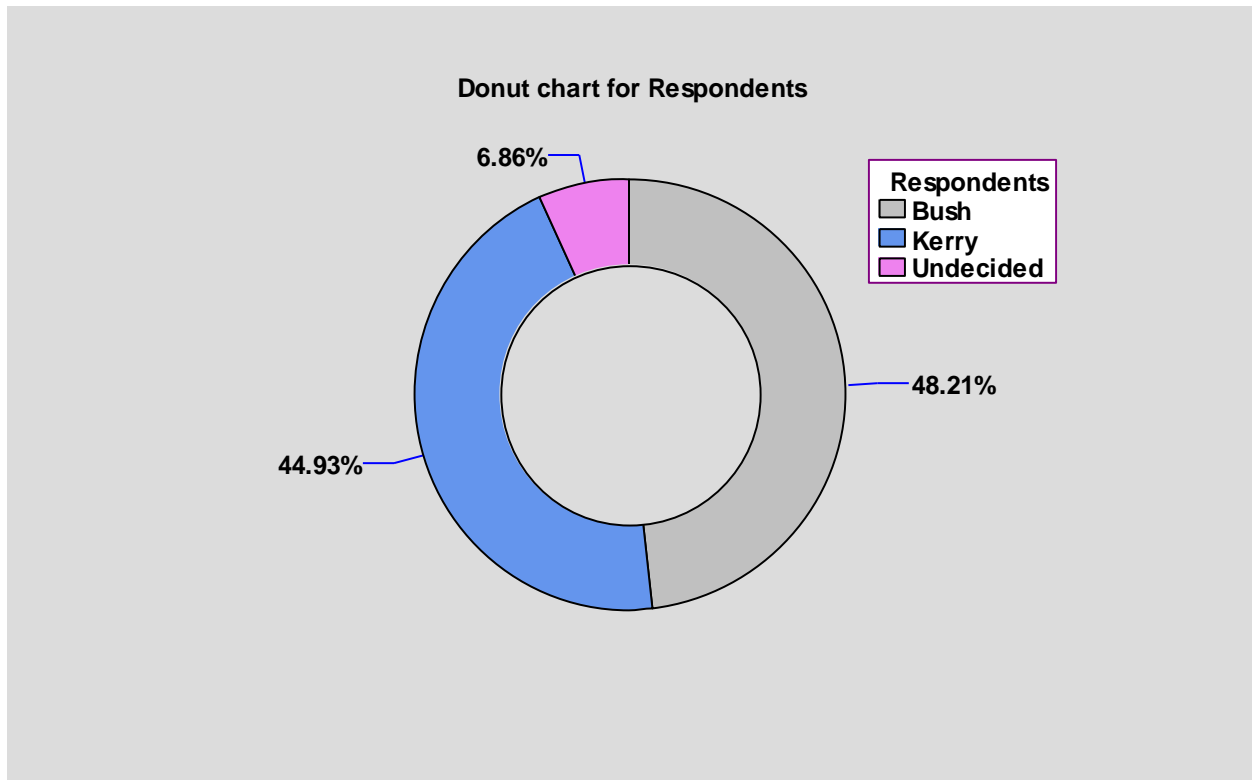
- **Labels:** the desired information to be placed next to each slice of the pie.
- **Diameter:** the size of the pie relative to the size of the plotting area. Reducing this value makes the pie smaller.
- **Offset #:** number of a slice between 1 and k to offset from the rest of the pie.
- **Lines:** whether to extend lines from each slice to its label.

Example: Piechart with Offset Slice

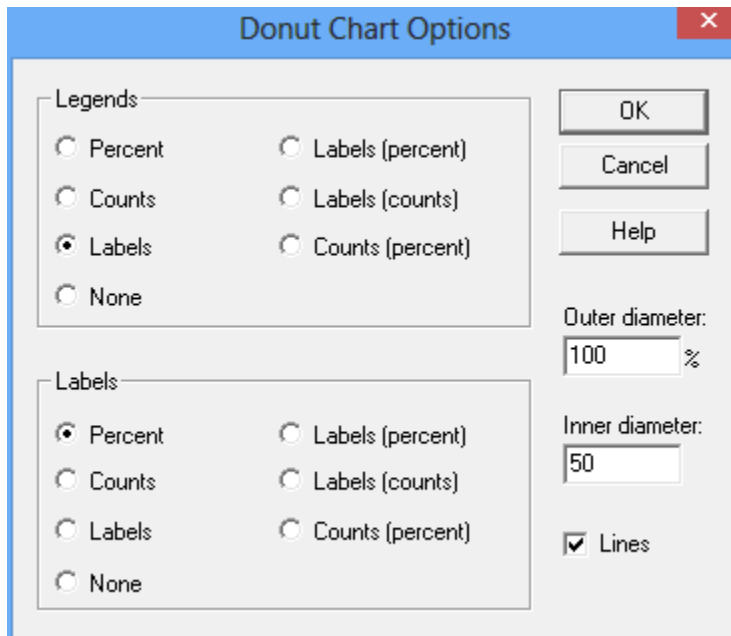


Donut Chart

The *Donut Chart* is similar to a piechart except that it has a hole in the middle similar to a donut.



Pane Options



- **Legends:** the desired information to be placed in the legend block to the right of the donut.
- **Labels:** the desired information to be placed next to each section of the donut.
- **Inner diameter:** the size of the donut relative to the size of the plotting area. Reducing this value makes the donut smaller.
- **Outer diameter:** the size of the donut hole relative to the size of the plotting area.
- **Lines:** whether to extend lines from each section to its label.