## Statistics Menu

Suppose one of the questions asked on a survey was "What type of pet do you have?", and the results from 50 people are shown in this table.

| Pet Category | Dog | Cat | Fish | Bird | Other | None |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Frequency | 14 | 12 | 9 | 6 | 4 | 5 |

1. Construct a pie chart of these data.

It is easiest to work with categorical data from a spreadsheet. Tap Menu , then the Spreadsheet icon. Enter the frequencies in the first column. Press EXE to move to the next cell.

To construct the chart, tap Column A so it is selected. If the graph icon is , tap it. Otherwise tap the $\square$ near the top-right to open the graph menu and then tap $\Omega$ from the drop down list.

| \% File Edit Graph Calc |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $0.5 \frac{1}{2}$ | B A | V | Gd \|nl| | - |
|  | A | B | C | 4 |
| 1 | 14 |  |  |  |
| 2 | 12 |  |  |  |
| 3 | 9 |  |  |  |
| 4 | 6 |  |  |  |
| 5 | 4 |  |  |  |
| 6 | 5 |  |  |  |
| 7 |  |  |  |  |


$\frac{|\Sigma Q|}{\mid \angle Q}(\bar{a}+\bar{d}):\left(\bar{q}+\frac{c}{c}\right)=\frac{\pi}{(\delta+c) \alpha d}$

## Statistics Menu



Tap any section of the chart to display the frequency.

$\frac{|\Sigma Q|}{\mid Z Q}=(\bar{a}+\bar{d}):(\bar{q}+\bar{c})=\frac{1}{(\delta+c) a d}$

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The bar graph is displayed.


Tap any bar to display the frequency.

$\left\lvert\, \frac{\overline{Q Q}}{\mid c}=\left(\frac{\bar{a}}{}+\bar{d}\right)\right.:(\bar{q}+\bar{c})=\frac{(b+c) a d}{}$

## Statistics Menu

Plots and statistics for quantitative data can be created in either the spreadsheet or statistics menu. The statistics menu will be used for this example.

The number of games won (out of 162) by a certain baseball team for the years 2002 - 2013 are shown in the table.

| 67 | 88 | 89 | 79 | 66 | 85 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 97 | 83 | 75 | 71 | 61 | 66 |

1. Construct a histogram for these data.

Tap ${ }^{\text {Menu }}$, then the Statistics icon. Enter the frequencies in list1. Press EXE to move to the next value.



