

# Qualitative Graphs

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The same principal can be applied to datasets.

# Objectives

- 1 Create and interpret bar graphs

# Bar Graphs

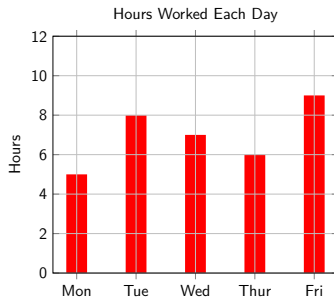
## Bar Graph

A **bar graph** is a visual display of data in which bars are plotted, where one dimension represents each category and the other dimension represents the frequency (or relative frequency) of each category.

# Bar Graphs

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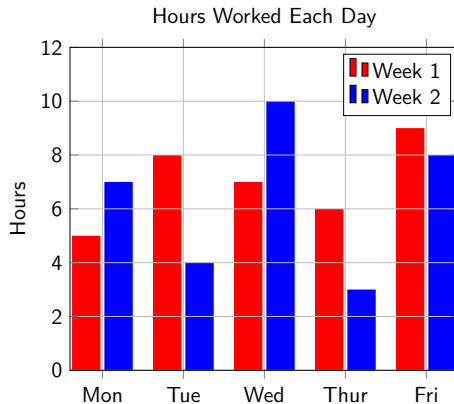
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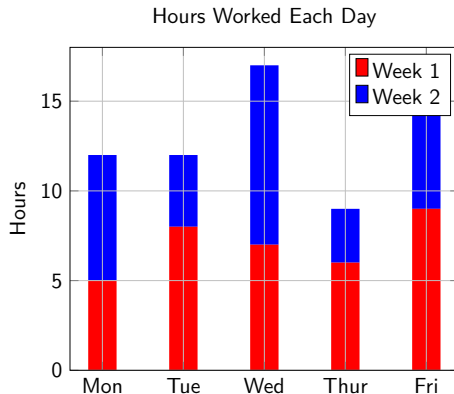
# Bar Graphs

Bar graphs can be clustered:



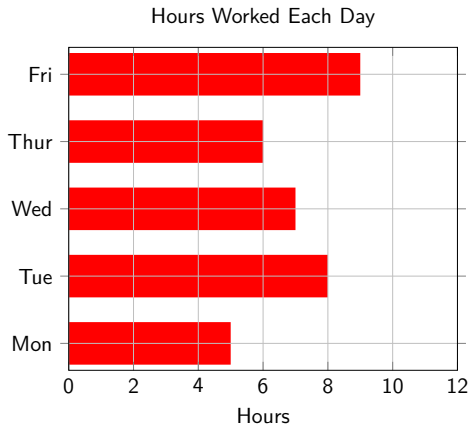
# Bar Graphs

Bar graphs can be stacked:



# Bar Graphs

Bar graphs can be horizontal:



# Bar Graphs

Bar graphs can show relative frequency (percent of total):

