

Comparing distributions

ME 447/547 Visualizing Data

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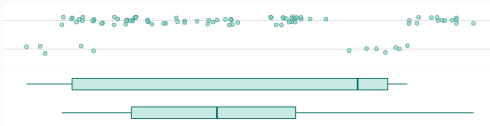
Rose-Hulman Institute of Technology

We graph distributions with a **strip plot** or **box plot**

Data structure



Graph characteristics



New R functions

[illegible]

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The tutorial includes these R functions for data exploration

package	function	what it does
base R	<code>summary()</code>	For a continuous variable, determines range, median, and quartiles
tibble	<code>glimpse()</code>	Print a data frame with columns down the page and rows across

The tibble package is installed when you install the tidyverse package

The tutorial includes these R functions for **data carpentry**

package	function	what it does
tibble	<code>as_tibble()</code>	Turns an object into a tibble: a data frame with class <code>tbl_df</code>
tidyr	<code>complete()</code>	Turns implicit missing values into explicit missing values

The tibble and tidyr packages are installed when you install the tidyverse package

The tutorial includes these R functions for creating **graphs**

```
ggplot2::  ggplot()  
ggplot2::  geom_point()  
ggplot2::  geom_jitter()
```

Start the tutorial

Start as a group

Then individual work

References