# Bootstrap Breakpoints

# Default  Breakpoints

- Bootstrap hardcodes the breakpoints for different viewports.

- The intention is to use the mobile-first paradigm.
  - *Plan for the smallest screen and make adjustments size gets larger.*

# Custom, iPhone retina

- The smallest size deals with a width of 0 – 320px.

- Problematic since some browsers don't return a size this small (even when screen size is very small).

# Extra small Devices and Phones

- Referred to as xs-

- Any device that has a minimum width of 480px.

- Most phones fall into this category, even in landscape position.

# Small Devices and Tablets

- Referred to as sm-

- Any device that has a minimum width of 768px.

- Most tablets fall into this category, as well as desktop browsers that are opened in a smaller size.

# Medium Devices and Desktops

- Referred to as md-

- Any device that has a minimum width of 992px.

- This is beyond the size of most tablets or phones BUT it is possible that people have set their smaller devices to use a larger number (e.g. 992px) to trigger this viewport.

# Large Devices and Wide Screens

- Referred to as lg-

- Any device that has a minimum width of 1200px.

  - The trend toward smaller, smaller, smaller is often reversed to larger, larger, larger.

- Again some users may have settings to magnify content, this will trigger these larger views.

# Setting your own breakpoints

- It is possible to change these default values.

    - Customize before downloading

    - Modify the .css files

    - Write your own media queries

# Conclusion

- Knowing the *exact* values of the breakpoints isn't important.

- More important to know that Bootstrap refers to xs-, sm-, md-, and lg- screen sizes.

- You can always modify to your own needs.

# Acknowledgements/Contributions