

# Introduction to R

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# Outline

- Quick introductions around the room
- Quick points on R (and why you made the right choice)
- R Programming!

# Introductions

# Introductions

- Name
- Experience in Programming
- What problems are you interested in solving with R?



# Intro to R

- R is an **open source** statistical **environment** developed in 1993 based on the S language developed at Bell Labs
- Functional Programming Language
- More than 10k packages (extensions) available on CRAN
- Cutting edge research typically generates R packages
- Rstudio's IDE



# Open Source Means No Funding???

- R Core
- R Foundation
- RStudio
- Users Like You



# So why R?

- Data Analysis Language
- Reproducibility
- Integration to direct communication
  - Rmarkdown Documents
  - Shiny Dashboards
- Tidyverse!



```
@@ -3,9 +3,9 @@
3 3 include_once( get_template_directory() . '/lib/init.php' );
4 4
5 5 /* Child theme (do not remove)
6 - define( 'CHILD_THEME_NAME', 'Genesis Sample Theme' );
7 - define( 'CHILD_THEME_URL', 'http://www.studiopress.com/' );
8 - define( 'CHILD_THEME_VERSION', '2.1.2' );
6 + define( 'CHILD_THEME_NAME', 'WPSmith Theme' );
7 + define( 'CHILD_THEME_URL', 'http://wpsmith.net' );
8 + define( 'CHILD_THEME_VERSION', '1.0.0' );
9 9
10 10 /* Enqueue Google Fonts
11 11 add_action( 'wp_enqueue_scripts', 'genesis_sample_google_fonts' );
```

# Let's Get Started!

