



R PACKAGE DEVELOPMENT AND VALIDATION

Package Deployment

Welcome

- Building & Sharing Packages
- Installing packages



BUNDLING YOUR SOURCE

```
devtools::build()
```



Bundling Source Code

- Bundling is organizing source package into a source directory
- Bundle able to be installed assuming full development environment is intact
- Options to render vignettes (true) and manuals (false) at time of running command

`devtools::build()`



INSTALLING PACKAGES



Installing your Bundle of Joy

- `install.packages()` can install local bundles!
- Point to bundle
- Set `type = "source"` and `repos = NULL`



```
devtools::install()
```




What happens during installation?

- Folder for package created in “library” folder for R installation (R/R-version/library)
- Code compiled in R folder and changed into a more efficient format
- Documentation simplified, compiled and put into “html” folder
- Anything in “inst” folder gets moved to the top level



MATERIALS 02-E3

[Materials/Materials-02-Package_Elements_and_Structure/Materials-02-E03-Package_Installation/](#)