R PACKAGE DEVELOPMENT AND VALIDATION

Modes of Validation

Welcome

- Modes of R Package Validation
  - Source
  - Build
  - Install
  - Re-validation

SOURCE

vt_validate_source()

- Temporarily installs the package and executes the validation Rmd

- For release of source code

- Users have access to install as necessary

- Report can be generated at any time

BUILD

vt_validate_build()

- Temporarily installs the package and executes the validation Rmd
- Copies contents into "output" directory – inst/validation
- Builds source code, includes all components of validation into tarball

- For release of source code with controlled versions

- Users have access to install as necessary

INSTALL

vt_validate_install()

- Temporarily installs the package and executes the validation Rmd
- Copies contents into "output" directory – inst/validation
- Builds source code, includes all components of validation into tarball
- Installs and runs validation report on installed system

- Installation is controlled by Administration
- Validation Report needs to be saved to a specific location

RE-VALIDATION

vt_validate_installed_package()

- ONLY works for packages installed via `vt_validate_install()` or installed from tarball created by `vt_validate_build()`

- Installed environment has changed, but package has not

- Installation is controlled by Administration

- Users have access to install as necessary

MATERIALS 04-E3

Materials/Materials-04-Introduction_to_Valtools/Materials-04-E03-Validation_Modes