The testthat package helps you execute **unit tests**

tests/testthat/test-
evaluate_models.R

```r
context("evaluate_models")

cds <- load_a549()
cds <- estimate_size_factors(cds)
test_that("evaluate_models() returns correct output for poisson models",{
  test_cds = cds[rowData(cds)$gene_short_name == "ANGPTL4",]
  fit_m = fit_models(test_cds, model_formula_str = "~log_dose", expression_family = "poisson")
  evaluated_fit = suppressWarnings(evaluate_fits(fit_m))
  expect_equal(evaluated_fit$null_deviance, 1031, tolerance=1e-3)
  expect_equal(evaluated_fit$df_null, 499)
  expect_equal(evaluated_fit$logLik, -775, tolerance=1e-3)
  expect_equal(evaluated_fit$AIC, 1553, tolerance=1e-3)
  expect_equal(evaluated_fit$BIC, NA_real_)
  expect_equal(evaluated_fit$deviance, 983, tolerance=1e-3)
  expect_equal(evaluated_fit$df_residual, 498)
})
```

When we check in changes to the Monocle repo, these tests are automatically run via Travis, a system for
"**continuous integration**"

Releasing your code

1. Pick a version number.
2. Run and document R CMD check.
3. Check that you're aligned with CRAN policies.
4. Update README.md and NEWS.md.
5. Submit the package to CRAN.
6. Prepare for the next version by updating version numbers.
7. Publicise the new version.