

# MATH 3080 Lab Project 5

Your Name Here

12/31/2019

## Contents

### Problem 1

1

### Problem 1

*In Project 3, you wrote a function `z.test()` that implements the z-test. Write a package called **MyzTest** making this function easily available. Your package should resemble the package created during the lecture.*

- *Your package should be appropriately named, with a descriptive `DESCRIPTION` file. (You can continue to use the `CC0` license, or `GPL-3` if you actually are worried about your rights. With `CC0` anyone can do anything with the package and not even acknowledge your existence.)*
- *If you wish you may have only one file in the `R/` file, with the function `z.test()`. There's no reason to have more than one file.*
- *You can clear out the `man/` directory; we may put something interesting here in a future project, but for now there's nothing to put here.*
- *Write a `README.md` and a `NEWS.md` file and be sure to update `.Rbuildignore` accordingly. With as little as you have to do, `NEWS.md` should be comprehensive (in that it says you added a single function, `z.test()`).*
- *Make an example data set and put it in `data/`.*
- *Write a vignette and put it in the `vignettes/` folder. Be sure that the vignette can be built and users can access it.*

*I expect to be able to build and install your package and that the code in it runs correctly. I expect that the example data set you provide can be used with your function. Admittedly files such as `README.md` and your vignette can have not much in them while still getting full credit, but I may give extra credit for more comprehensive submissions.*

*I want to build your package myself. Submit a `.zip` file with a single directory named **MyzTest** as its contents, and that directory contains the package files. I will inspect the contents and test that your package works as I expect myself.*

*Additionally I want to see that you can also build your package and distribute it. Do this by building the package tarball and placing the tarball in the root directory of the `.zip` file you submit to me, beside the directory **MyzTest**. I will attempt to install this file as if it were a package.*