DS710 Assignment 1

Sloane Simmons

September 12, 2016

## Problem 1

The version of R that is given is:

R version 3.1.2 (2014-10-31) -- "Pumpkin Helmet"

## Problem 1.1

2015^(1/3)

## [1] 12.63063

## Problem 1.2

abs(5.7-6.8)/0.58

## [1] 1.896552

## Problem 1.3

a <- c(1:12)  
a

## [1] 1 2 3 4 5 6 7 8 9 10 11 12

## Problem 1.4

b <- c(1,3,5,7,9,11)  
b

## [1] 1 3 5 7 9 11

## Problem 1.5

c <- seq(1,11,2)  
c

## [1] 1 3 5 7 9 11

## Problem 1.6

ln.a <- log(a)  
ln.a

## [1] 0.0000000 0.6931472 1.0986123 1.3862944 1.6094379 1.7917595 1.9459101  
## [8] 2.0794415 2.1972246 2.3025851 2.3978953 2.4849066

## Problem 1.7

squares\_odd\_numbers <- c(seq(1,11,2))^2  
squares\_odd\_numbers

## [1] 1 9 25 49 81 121

## Problem 1.8

The sd function computes the standard deviation of values in the vector that is passed in.

## Problem 1.9

Name <- "Sloane"  
paste("My name is", Name)

## [1] "My name is Sloane"