M 362M Homework 1

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Exercise 1

1. Upload a screen shot of setting "Save workspace to . RData on exit" to "Never".



Figure 1: Setting "Save workspace to .RData on exit" to "Never"

2. Upload a screenshot of installing tidyverse.



Figure 2: Installing tidyverse

Exercise 2

1. Define two variables a and b with values 3 and 4 and "put" their product into a variable called c. Output the value of c.

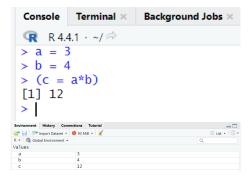


Figure 3: Console and Environment for Problem 1.2.1

2. Define two vectors x and y of length 3, such that the components of x are 1, 2, 3 and the components of y are 8, 9, 0. Output their (componentwise) sum.

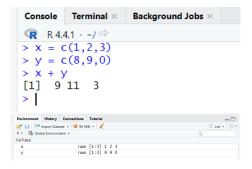


Figure 4: Console and Environment for Problem 1.2.2

3. Define a 2×2 matrix $A = \begin{pmatrix} 1 & 2 \\ -1 & 3 \end{pmatrix}$.



Figure 5: Console and Environment for Problem 1.2.3

4. Compute the matrix square A^2 .

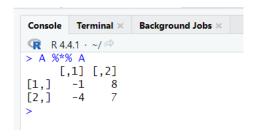


Figure 6: Console for Problem 1.2.4