MATH 3070 Lab Fall Project 1 $\,$

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Contents

Problem 1 (Verzani problem 1.1)	-
Problem 2 (Verzani problem 1.4)	,
Problem 3 (Verzani problem 1.7))
Remember: I expect to see commentary either in the text, in the code with comments created using #, or (preferably) both! Failing to do so may result in lost points!	r
Problem 1 (Verzani problem 1.1)	
Use R as you would a calculator to find numeric answers to the following:	
1. $1 + 2(3+4)$	
# Your solution here L + 2 * (3 + 4)	
## [1] 15 $2. \ 4^3 + 3^{2+1}$	
# Your solution here (4 ** 3) + 3**(2 + 1)	
## [1] 91 3. $\sqrt{(4+3)(2+1)}$	
# Your solution here sqrt((4 + 3) * (2 + 1))	
## [1] 4.582576 $4. \left(\frac{1+2}{3+4}\right)^2$	
1. 10.41	

```
# Your solution here
((1+2)/(3+4))^2
```

[1] 0.1836735

Problem 2 (Verzani problem 1.4)

Use R to compute the following:

$$\frac{0.25 - 0.2}{\sqrt{0.2(1 - 0.2)/100}}$$

```
# Your solution here
((0.25 - 0.2)/(sqrt(0.2 *(1 - 0.2)/100)))
```

[1] 1.25

Problem 3 (Verzani problem 1.7)

The exec.pay (UsingR) data set is available after loading the package UsingR. Load the package, and inspect the data set. Scan the values to find the largest one.

```
# Your solution here
require(UsingR)
```

```
## Loading required package: UsingR
## Loading required package: MASS
## Loading required package: HistData
## Loading required package: Hmisc
## Loading required package: lattice
## Loading required package: survival
## Loading required package: Formula
## Loading required package: ggplot2
## ## Attaching package: 'Hmisc'
## The following objects are masked from 'package:base': ## ## format.pval, units
```

```
##
## Attaching package: 'UsingR'

## The following object is masked from 'package:survival':
##
## cancer

max(exec.pay)

## [1] 2510
```