HW 1 solutions

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Contents

RMarkdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents.

- Bullet point 1
    - Bullet subpoint 1
- Bullet point 2
- Bullet point 3

1. Numbered point 1
2. Numbered point 2
3. Numbered point 3

Inline Latex equation example: $x_1^2 + 2x_1 + 1$

New line Latex equation example:

$$x_1^2 + 2x_1 + 1$$

$$
x = 1
$$
$$
y = 2
$$
$$
z = 3 + 3 + 3 + 3
$$

Header

foo

Problem 3 solution

foo

Header

foo

Header

foo

Here is a link: link here

```r
1 + 2
```

```
## [1] 3
```

Here we are generating 100 numbers from $N(1, 10^2)$:

```r
set.seed(123)
vec <- rnorm(n = 10, mean = 1, sd = 10)
vec
```

```
##  [1]  -4.604756  -1.301775  16.587083   1.705084   2.292877  18.150650
##  [7]   5.609162 -11.650612  -5.868529  -3.456620
```

```r
mean(vec)
```

```
## [1] 1.746256
```

```r
sd(vec)
```

```
## [1] 9.537841
```

I am seeing a mean equal to . . .

Histogram of vec