Module 3 Assignment 2

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2022-10-18

5.

```
## [1] 1469.694
```

```
## [1] 1414.214
```

```
## [1] 1050
```

6.

```
## [1] 3933.907
```

7.

```
## [1] 37
```

```
## [1] 36
```

```
## [1] 27
```

9.

```
## New names:
## Rows: 100 Columns: 3
## -- Column specification
## -------------------------------------------------------- Delimiter: "," chr
## (1): stratum dbl (2): ...1, abund
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this message.
## * `` -> `...1`
```

```
## # A tibble: 100 x 3
##     ...1 stratum abund
##    <dbl> <chr>   <dbl>
##  1     1 A          34
##  2     2 A          26
##  3     3 A          32
##  4     4 A          29
##  5     5 A          35
```

```
##  6     6 A          38
##  7     7 A          38
##  8     8 A          28
##  9     9 A          31
## 10    10 A          24
## # ... with 90 more rows
## # i Use ‘print(n = ...)‘ to see more rows
```

13. a.

```
## [1] 31.86486
```

```
## [1] 35.47222
```

```
## [1] 40
```

b.

```
## [1] 6372.973
```

```
## [1] 17736.11
```

```
## [1] 12000
```

c.

```
## [1] 27.17568
```

```
## [1] 36.82778
```

```
## [1] 31.69231
```

14. a.

```
## [1] 0.815
```

```
## [1] 0.928
```

```
## [1] 0.91
```

```
## [1] 0.5985993
```

```
## [1] 0.9493383
```

```
## [1] 1.068148
```

b.

```
## [1] 23943.97
```

```
## [1] 237334.6
```

```
## [1] 96133.33
```

15. a.

```
## [1] 36109.08
```

b.

```
## [1] 357411.9
```

16. a.

```
## [1] 36.10908
```

b.

```
## [1] 0.3574119
```