JOHNNY APPLESEED, PH.D.
SPRING, 2018

WEEK 01
LECTURE 01

INTRO TO SOCIOLOGY

SEQUOIADENDRON GIGANTEUM

AGENDA

1. Front Matter
2. Lorem ipsum
3. Consectetur adipiscing
4. Sed do eiusmod
5. Back Matter

1 FRONT MATTER

ANNOUNCEMENTS

Last week's lecture slides now available

Response Paper 01 due **next class**!

Grade Center has been updated with all current grades

Response Paper 02 due in two weeks

Reading assignment for next week changed (see updated Syllabus)

Field-trip to Yosemite is **next class**!

2 LOREM IPSUM

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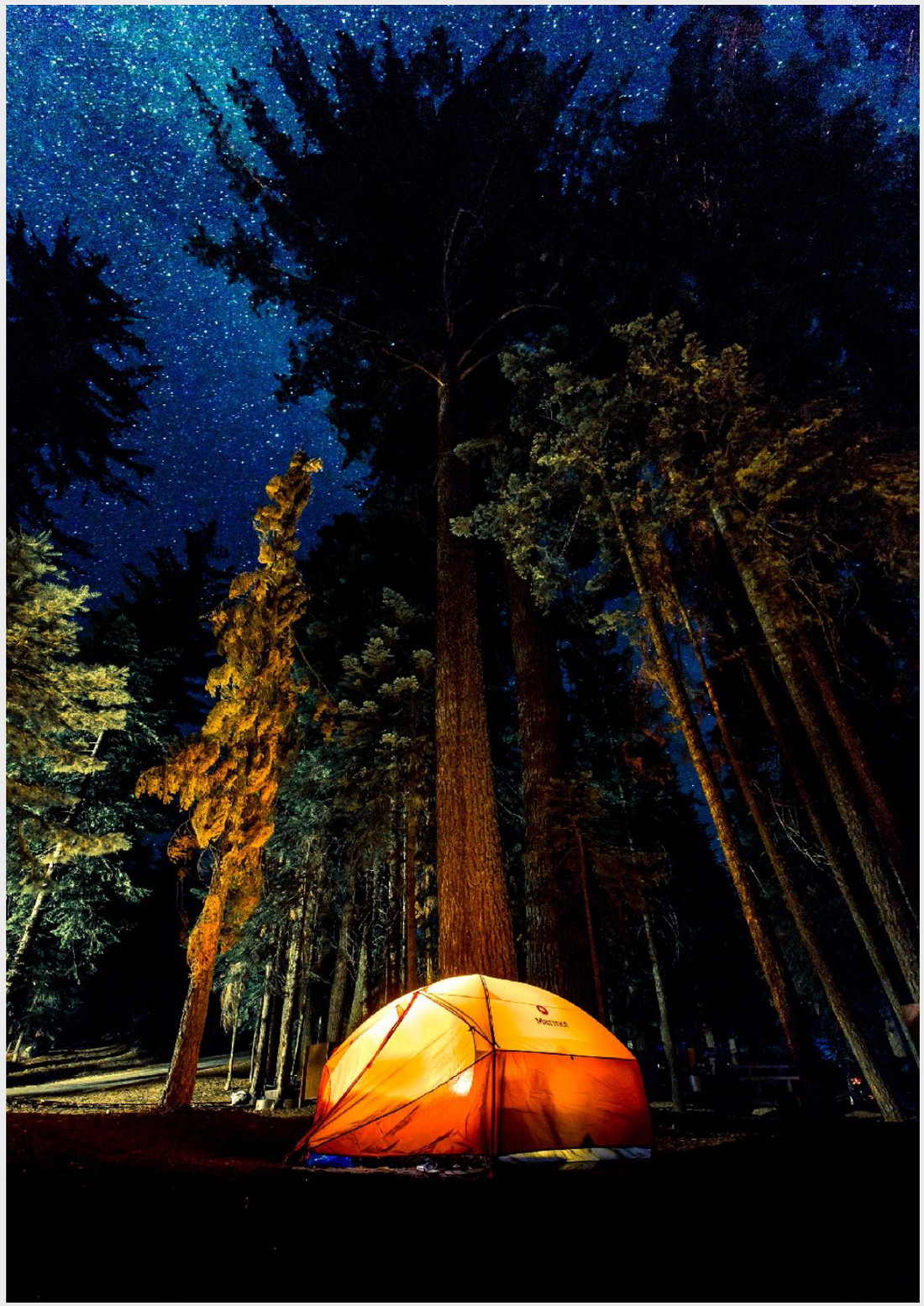
- Non in mi ullamcorper, eros mollis est magna. Sapien facilisis, pretium vivamus vel.
- Amet eu sagittis vitae morbi. Justo consectetuer nullam vitae sollicitudin eu ipsum.



SEQUOIADENDRON GIGANTEUM

Largest Living Trees

#	Tree	Grove	Height (m)
1	General Sherman	Giant Forest	83.8
2	King Arthur	Garfield Grove	82.4
3	Boole	Converse Basin	81.9
4	General Grant	Grant Grove	81.7
5	Lincoln	Giant Forest	78.0

CLIMB THE MOUNTAINS AND GET THEIR GOOD TIDINGS. NATURE'S PEACE WILL FLOW INTO YOU AS SUNSHINE FLOWS INTO TREES.

John Muir (1901)

3 CONSECTETUR ADIPISCING

TELLUS MAGNA

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TELLUS MAGNA

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TELLUS MAGNA

THOUSANDS OF TIRED, NERVE-SHAKEN, OVER-CIVILIZED PEOPLE ARE BEGINNING TO FIND OUT THAT GOING TO THE MOUNTAINS IS GOING HOME

John Muir (1901)

TELLUS MAGNA

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H_A

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SAMPLE MEAN

Let:

- $\bar{x}$ = sample mean
- n = sample size
- x = random variable
- i = individual observation

$$\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n}$$

DESCRIPTIVE STATISTICS

f(x) `skim(.data, ...)`

Parameters:

- `.dat`
- `...`

nam

Available in `skimr`
Download via CRAN

DESCRIPTIVE STATISTICS

f(x) `skim(.data, ...)`

Parameters:

- `.data` is a tibble or an object that can be converted to a tibble
- `...` is optional, and typically consists of a list of *unquoted* column names

DESCRIPTIVE STATISTICS

f(x) `skim(.data, ...)`

Using the `hwy` and `cty` variables from `ggplot2`'s `mpg` data:

```
> skim(mpg, hwy, cty)
```

Output will include information about the data object, and the structure will vary based on the format of the individual columns.

DESCRIPTIVE STATISTICS

```
> skim(mpg, hwy, cty)
Skim summary statistics
 n obs: 234
 n variables: 11
```

```
Variable type: integer
 variable missing complete   n  mean   sd p0 p25 median p75 p100     hist
      cty       0      234 234 16.86 4.26  9  14     17  19   35 ▃▇▃▁▁▁▁▁
      hwy       0      234 234 23.44 5.95 12  18     24  27   44 ▃▇▅▃▂▁▁▁
```

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How would you interpret this result?

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5 BACK MATTER

AGENDA REVIEW

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