

Week 7 & 8 - Workbook

November 18, 2024

1 Week 7 & 8: Putting it all together!

1.1 Clear the entire workspace

```
[362]: rm(list=ls())
```

1.2 Load libraries

```
[363]: ReqDLibs = c("here", "ggplot2", "dplyr", "tidyr", "stringr", "janitor", "broom", "emmeans")
invisible(lapply(ReqDLibs, library, character.only = TRUE))
```

1.3 Check and set data directory

Recap Week 1 learning We want to know where we are and where we need to get the data from.

```
[ ]:
```

1.4 Import data

Recap Week 2 learning We need some place to put the data and we don't want to read each file one by one.

```
[ ]:
```

1.5 Data wrangling

Recap Week 3 learning We need some identifiers for plotting. We also don't want to plot all the variables one by one.

```
[ ]:
```

1.6 Visualize data

Recap Week 4 learning We need an initial version of a plot where we can see all our data as means and standard errors. We want its appearance to be large and clear enough to be visible to the (relatively old) human eye.

[]:

1.7 Advanced data wrangling

Recap Week 4 learning What's the problem with the plot above?

[]:

1.8 What did you find from visual analysis of the data?

[]:

1.9 Statistics

Recap Week 5 learning We want to compare if some of these measures are significantly different between the 3 sessions.

[]:

2 Conclusion

What did you find?

[]: