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**\*\*\*To Do\*\*\***

~~Function calls: add the lattice::function() + modify top of HW files to take out library calls.~~

Remove all references to potentially offensive labeling.

~~Table of contents look into RMarkdown – Can only put on top unless we modify the R structure~~

Dealing with NAs – not use subset, but instead

DF2 <- na.omit(DF[, “Id”, “var1”, “var2”])

use = “complete.cases” vs. “pairwise” ??

RMarkdown suppress warnings, errors, messages from library load chuck

Include = False (suppresses all messages)

Check for spelling/grammar issues and/or R problems (e.g., graph)

ggvis or graphing to allow highlighted values

confidence bands for regression plots (look to see if ggvis allows)

plotting graphs label\_points = TRUE

A list of troubleshooting issues: Mac downloading, getting past errors that produce: Browse[1]> and other errors too.

Class exercises:

<http://www.sporcle.com/games/teedslaststand/mlb-states> (maybe t test)

but maybe two that correlate

paired t = depth perception tossing

**\*\*\*Quizzes\*\*\***

Modify new ones to end in “f”. Beware of formatting issues if you create a template for all quizzes and copy it for each. In this case, you will have to copy all the questions and redo them. Alternatively, the option for student name could be added new for each quiz, which would reduce a lot of question copying and pasting.

|  |  |  |
| --- | --- | --- |
| Quiz | Updated (y/n) | URL |
| Q1 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_6WE7DLNxlCjaei1> |
| Q2 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_25EO2woKTpKYaDX> |
| Q3 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_6fYT3aTAYLJdZVH> |
| Q4 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_dbZJg7f7n0lNX6d> |
| Q5 | Y |  |
| Q6 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_1NCLOetVFqlUuEZ> |
| Q7 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_beFBOwQi9uhTlul> |
| Q8 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_eIDl3sCDD5XEnFH> |
| Q9 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_1LgfQcIlW9cOzNb> |
| Q10 | Y | <https://claremontmckenna.co1.qualtrics.com/SE/?SID=SV_2o94fTDxqMjRmUl> |

**\*\*\*Targeted Questions\*\*\* (there are 12 total TQs)**

If you haven’t already, you can put ALL of these in the same document so that we don’t have 12 different files. I also added files for a paired samples and ind t test to our shared folder. I think you could make the paired example into the TQ. The ind t could be used for practice maybe as I already have a version for the ANOVA/ind t. Also some examples for z-test and effect size.

|  |  |  |  |
| --- | --- | --- | --- |
| TQ | Topic |  | Updated (y/n) |
| 1 | T2 | Descriptive Statistics and Distributions | Y |
| 2 | T3 | (Starts using R) the normal dist and z-scores | Y |
| 3 | T5 | NHST (e.g., alpha, type-1, type-2 error) | Y |
| 4 | T6 | Sampling dist and std err | Y |
| 5 | T7 | Correlation psych:corr.test() | Y |
| 6 | T8 | Simple Regression | Y |
| 7 | T9 | Mult Regression | Y |
| 8 | T10 | Sample to population (z and one-sample t)  Move paired t to next HW | Y |
| 9 | T11 | Comparing samples (dep and ind t-tests) + the WMW test for violations | Y |
| 10 | T12 | Comparing multiple groups (ANOVA) | Y |
| 11 | T13 | Factorial ANOVA | Y |
| 12 | T14 | Fisher exact/Chisq |  |

Potential questions

**\*\*\*Homework \*\*\***

|  |  |  |  |
| --- | --- | --- | --- |
| HW |  | Topic | Updated (y/n) |
| 1 | T1 | Measurement and Variables  (move section on freq dist to next HW) | Y |
| 2 | T2 | Descriptive Statistics and Distributions | Y |
| 3 | T3 | (Starts using R) the normal dist and z-scores | Y |
| 4 | T7 | Correlation | Y |
| 5 | T8 + T9 | Regression (simple and mult) | Y |
| 6 | T10 | Sample to population (z and one-sample t)  Move paired t to next HW | Y |
| 7 | T11 | Comparing samples (dep and ind t-tests) + the WMW test for violations | Y |
| 8 | T12 | Comparing multiple groups (ANOVA) | Y |
| 9 | T13 | Factorial ANOVA | Y |
| 10 | T14 | Fisher exact/Chisq | Y |

For regression, the lattice library should have the smooth option. Make sure the method is lm not loess

The ggplot version is:

ggplot(mtcars, aes(x=wt, y=mpg)) +

geom\_point()+

geom\_smooth(method=lm, se=T)

|  |  |
| --- | --- |
| Week | Project/Day/Times |
| Oct 30 | S:  M: smpolijol (2 sessions)  T:  featjosl (flipped resp, font color, 1 session)  genjosl (flipped resp, font color, 1 session)  W:  genjosl (flipped resp, font type, 1 session)  featjosl (back color, 1 session)  R:  ? featjosl (back color NO JOSL, 1 session)  ? featjosl (back size) or genjosl  F:  S:  Other projects: featjosl (bg size; control no JOSL – focus of attention issue); Droodjosl (between conds); valrate (need stim); concrete/abs |
| Nov 6 | S:  M: smpolijol (2 sessions)  T: Lukas: 4-6  featjosl 2 sessions  W: Lukas: 4-6  ? Genjosl rhyme and antonym  R:  F:  S: Lukas 2-4 |
| Nov 13 | S:  M: smpolijol (2 sessions)  T: Lukas: 4-6  W:  R:  F:  S: |
| Nov 20 | S:  M: smpolijol (2 sessions)  T: Lukas: 4-6  W: Lukas: 4-6  R:  F:  S: Lukas 2-4 |
| Nov 27 | S:  M: smpolijol (2 sessions)  T: Lukas: 4-6  W: Lukas: 4-6  R:  F:  S: Lukas 2-4 |
| Dec 4 | S:  M: smpolijol (2 sessions)  T: Lukas: 4-6  W: Lukas: 4-6  R:  F:  S: Lukas 2-4 |
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