~/Desktop/Air Work/MRes 2016:17/R workshop MRes/R workshop directory/Workshop - RStudio

Go to file/function   Addins ▾   🅇 Workshop ▾

Workshop script2.R ×   **DV** ×   — ☐

◀ ▶ | 🔎 | 🔒 | ☐ Source on Save | 🔍 🖊▾ | 🔲   → Run | 🔁 | Source ▾ | ☰

```
 7    library (lmerTest)
 8    library (lsmeans)
 9    library (pbkrtest)
10
11    #Read in First Pass Data
12    FPs <- read.csv("~/Desktop/Air Work/R analyses/Indirect Request Expt/Experiment 1 - probability of success - Libby's data/FP
13
14    #this sets up the contrasts so that the intercept in the mixed LMM is the grand mean (i.e., the mean of all conditions)
15    my.coding <- matrix (c(.5, -.5))
16
17    contrasts (DV$Context)<-matrix (c(.5, -.5))
18    contrasts (DV$Sentence)<-matrix (c(.5, -.5))
19
20    #construct the modelswith crossed random effects for subjects and items for the pre-critical, critical and post-crtical regi
21
22    model.full <- lmer (RT ~ Context*Sentence + (1+Context*Sentence |Subject) + (1+Context*Sentence |Item), data=DV, REML=TRUE)
23    model.null <- lmer (RT ~ (1+Context*Sentence |Subject) + (1+Context*Sentence |Item), data=DV, REML=TRUE)
24
25    summary (model.full)
26    lsmeans (model.full, pairwise=Context*Sentence, adjust="none")
27
28    fpmodels <- lmer (statement ~ Meaning*Probability + (1+Meaning*Probability |P_s) + (1+Meaning*Probability |Item), data=FPs
```

23:1   (Top Level) ☐   R Script ☐

Console ~/Desktop/Air Work/MRes 2016:17/R workshop MRes/R workshop directory/Workshop/ ⤻   🔴 — ☐

```
The following object is masked from 'package:stats':

    step

> library("lsmeans", lib.loc="/Library/Frameworks/R.framework/Versions/3.3/Resources/library")
Loading required package: estimability

Attaching package: 'lsmeans'

The following object is masked from 'package:lmerTest':

    lsmeans

> model.full <- lmer (RT ~ Context*Sentence + (1+Context*Sentence |Subject) + (1+Context*Sentence |Item), data=DV, REML=TRUE)
|
Error in strsplit(keys, " *, *") : non-character argument
```
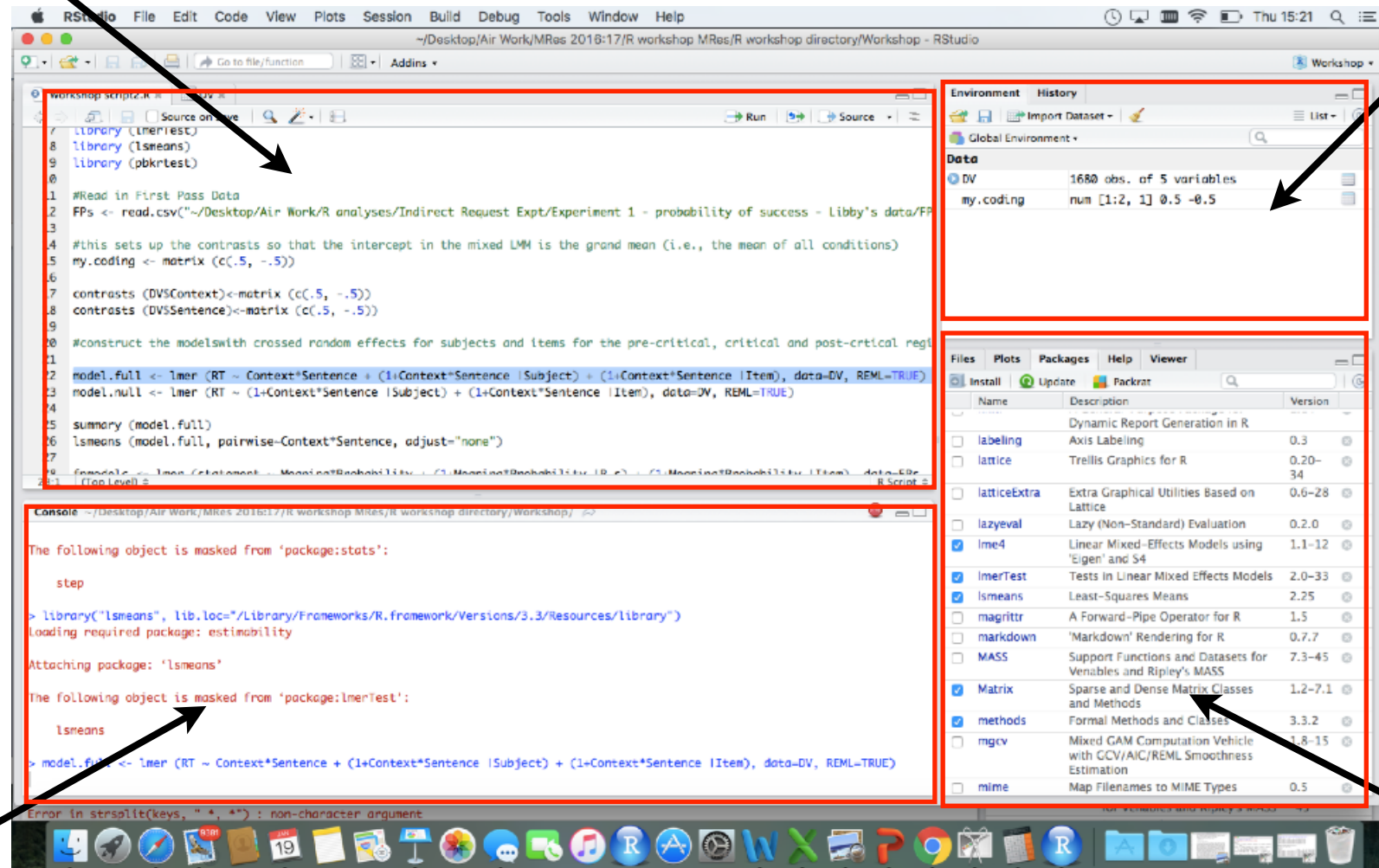
Environment **History**   — ☐

📂 🔒 | 📥 Import Dataset ▾ | 🧹   ☰ List ▾ | 🔄

🌐 Global Environment ▾   🔍

Data

🔵 DV   1680 obs. of 5 variables   🔲
my.coding   num [1:2, 1] 0.5 -0.5   🔲

Files **Plots** **Packages** **Help** **Viewer**   — ☐

🗂 Install | 🔄 Update | 📦 Packrat   🔍 | 🔄

       Name   Description   Version
☐ miter   Dynamic Report Generation in R
☐ labeling   Axis Labeling   0.3   ⊗
☐ lattice   Trellis Graphics for R   0.20-   ⊗
                                                              34
☐ latticeExtra   Extra Graphical Utilities Based on   0.6-28 ⊗
                     Lattice
☐ lazyeval   Lazy (Non-Standard) Evaluation   0.2.0   ⊗
☑ lme4   Linear Mixed-Effects Models using   1.1-12 ⊗
                     'Eigen' and S4
☑ lmerTest   Tests in Linear Mixed Effects Models   2.0-33 ⊗
☑ lsmeans   Least-Squares Means   2.25   ⊗
☐ magrittr   A Forward-Pipe Operator for R   1.5   ⊗
☐ markdown   'Markdown' Rendering for R   0.7.7   ⊗
☐ MASS   Support Functions and Datasets for   7.3-45 ⊗
                     Venables and Ripley's MASS
☑ Matrix   Sparse and Dense Matrix Classes   1.2-7.1 ⊗
                     and Methods
☑ methods   Formal Methods and Classes   3.3.2   ⊗
☐ mgcv   Mixed GAM Computation Vehicle   1.8-15   ⊗
                     with GCV/AIC/REML Smoothness
                     Estimation
☐ mime   Map Filenames to MIME Types   0.5   ⊗
```

This is where you build your script and where data can be seen.

This contains information about your variables and open data sets.

This is where you type commands.

This lists the packages you have loaded, and has tabs for help, graphs etc.