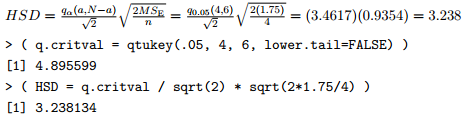
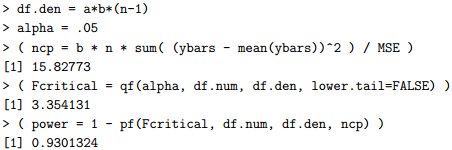
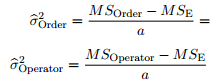
LSD by hand (LS)

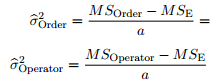


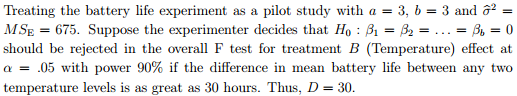
HSD by hand (LS)

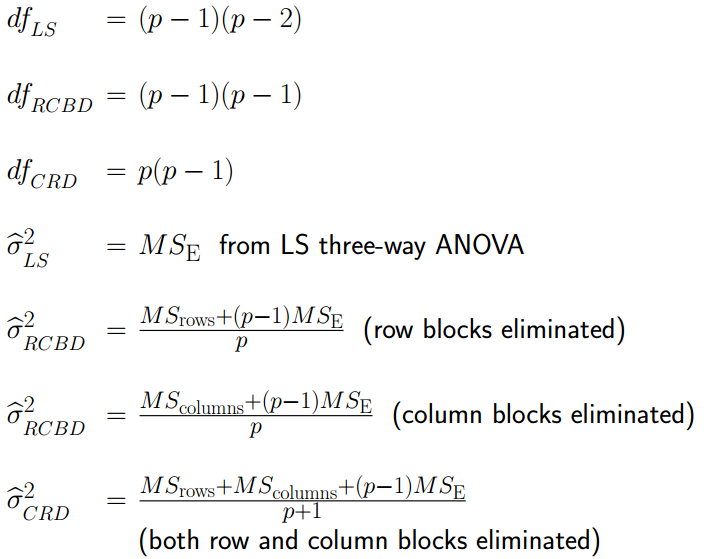


Random Factor (LS)

Estimate variation of blks (LS)

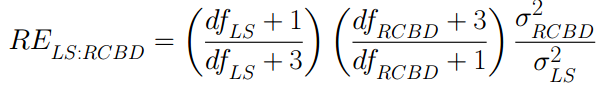


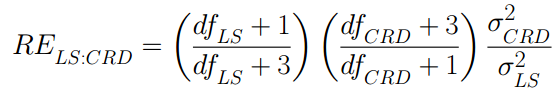


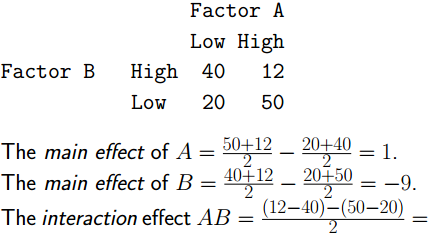
 RE (LS)

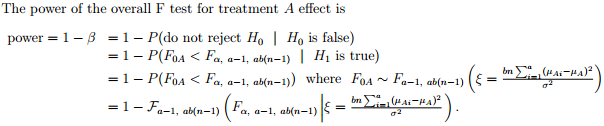


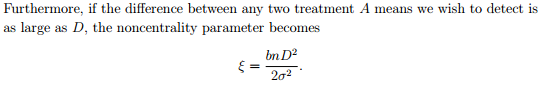






Main effect (22 factorial)



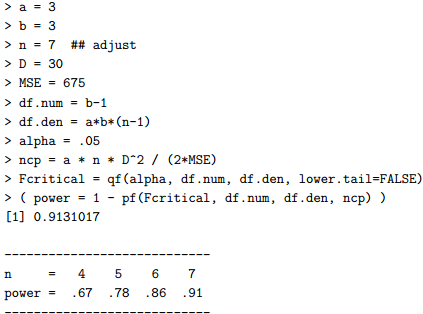
Interaction Plot (2-factor FD)

HSD (FD)

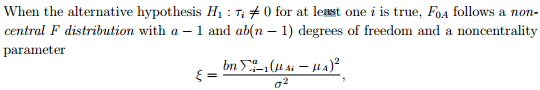


Power and Sample Size (FD)

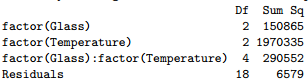
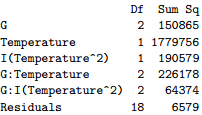


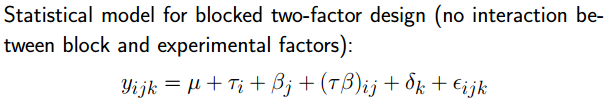


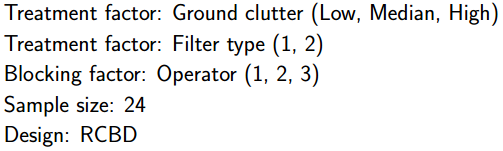
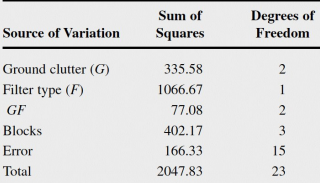
F test for A effect (FD)



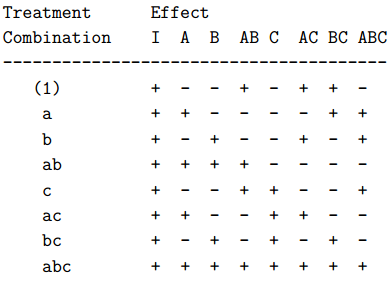
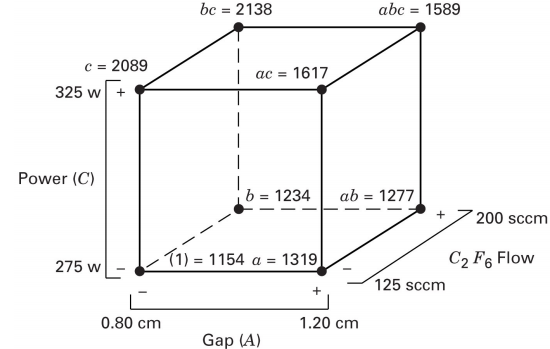
Interaction Plot (3-factor FD)

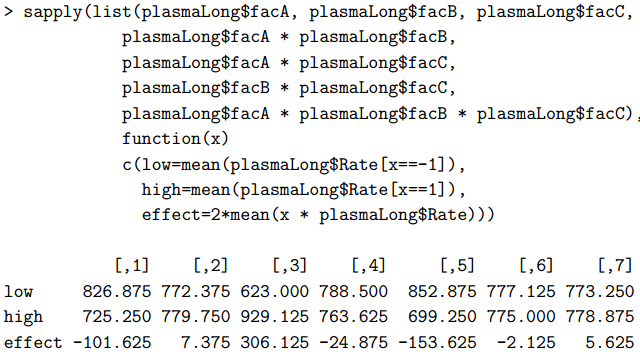
ANOVA (with 1 quantitative)

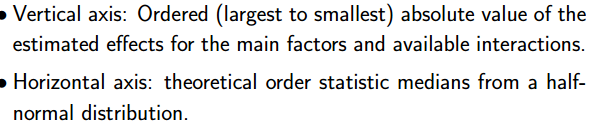
Blocking in FD



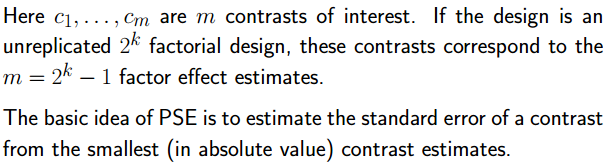
|  |  |  |
| --- | --- | --- |
| a = 2 | CRD: pooled/un-pooled | RBD: paired t |
| a ≥ 2 | CRD: 1-trt-factor | CRBD: blk-factot |
| Factorial Design:  Multi-trt-factors | LS: 2-blk-factors |
| G-LS: 3-blk-factors |

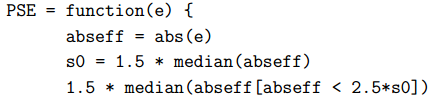
 Contrast coefficient

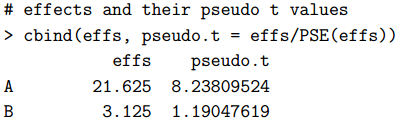
 Estimated Effects

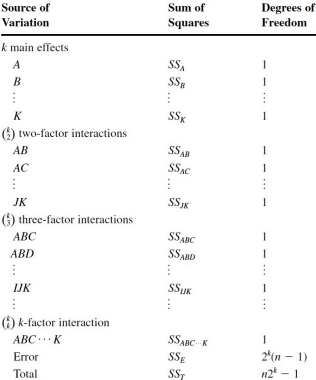
 Half-normal

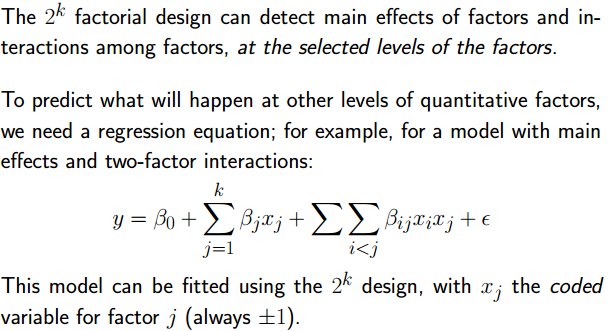
 PSE







Degree of Freedom of 2k FD

 Extending Design

