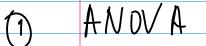
ANOVA



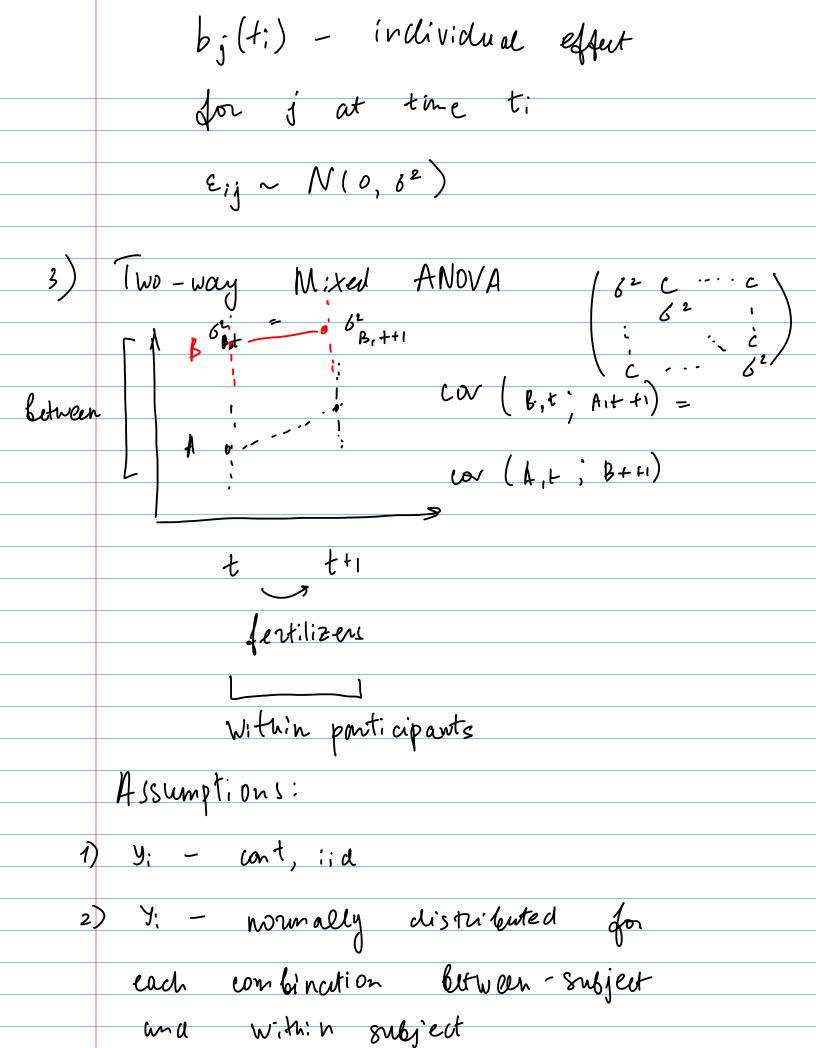
Ho: M, = ... = MK

Ha: at least one differs

Assumptions:

- 1) Observations are iid.
- 2) lesiduals are normally distributed
- 3) Spericity (homogeneity of variances)

Kepeated measures ANOVA fertilizer Assumptions: 1) y; - continuos, iid, SRS from population 2) Ji normally distributed, no outliers 3) Spericity Ho: $U_1 = \dots = \mu \mu$ Ho: at least one is different Jij = M + d; + b; (+i) + Eij j=1,..., y - individuals t=1, ..., k - time prints



| 3) | Sphericity |
|----|--|
| у) | Homogeneity of covariation matrix |
| | ANCOVA (Ahalysis of Covariance) |
| | FIN COVI (Finally 813 of Covinance) |
| | $y_{ij} = \mu + \mu + \mu + \beta + \epsilon_{ij} + \epsilon_{ij}$ |
| | u- ground mean |
| | aj-graup jeffect |
| | Zij-covaniate |
| | Assumptions: |
| | 1) Mi- ii d, continuous, normality |
| | z) Sphericity Jij |
| | 3) Linewity |
| | (AI) 9 = |
| | is line an |
| | (A2) y; \2 |
| | is linear (A) violated |
| | Within each |
| | group |

