

Variability due to: Signal: Treatment (IV) Noise: "Chance": Individual Differences Or repeated measures effect (Interaction Subjects X I.V.)

t test

t ratio = (Signal & Noise) / Noise critical t value — sampling distribution

F test (F=t²)

F ratio = (Signal & noise) / Noise critical F value — sampling distribution

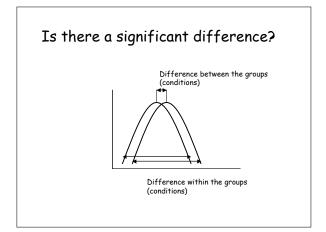
Probability? / chance?

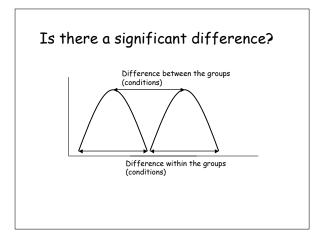
Between subject design

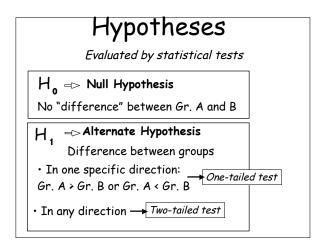
Individual differences

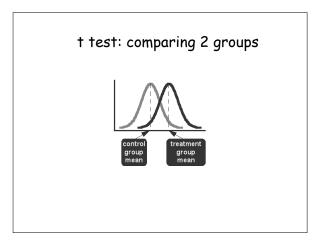
Within subject design

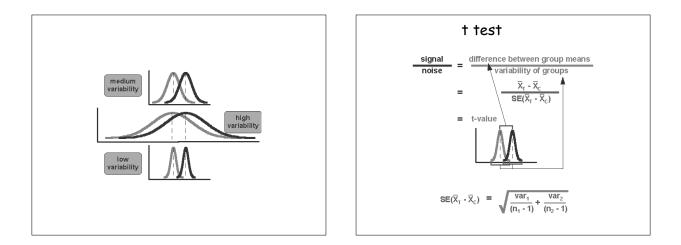
Repeated measures: Interaction participants X IV

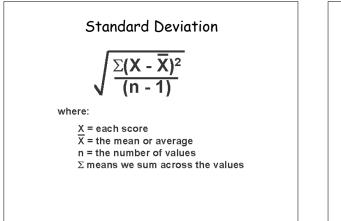


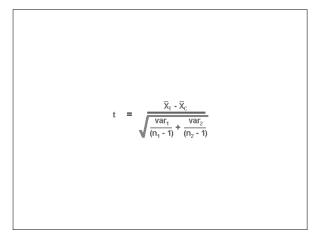


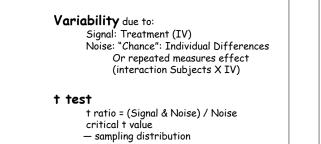


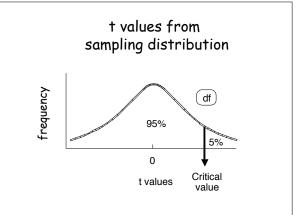












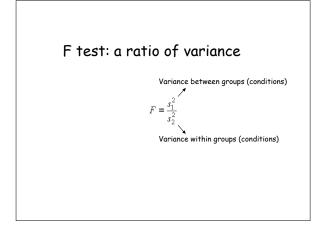
Variability due to: Signal: Treatment (IV) Noise: "Chance": Individual Differences Or repeated measures effect (interaction subjects X IV)

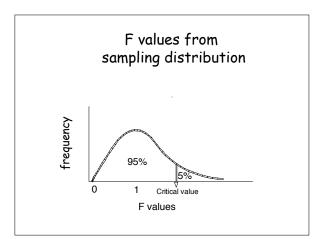
t test

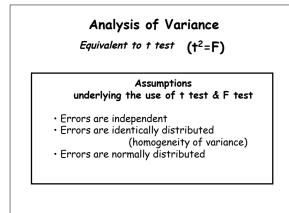
t ratio = (Signal & Noise) / Noise critical t value — sampling distribution

F test

F ratio = (Signal & noise) / Noise critical F value — sampling distribution

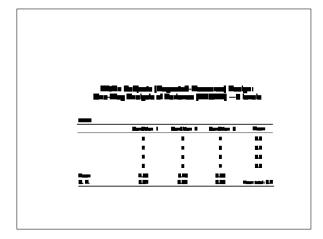


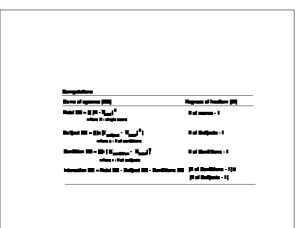


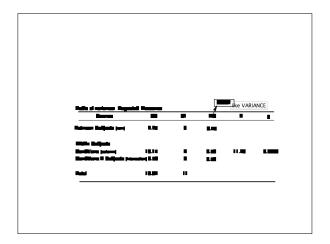


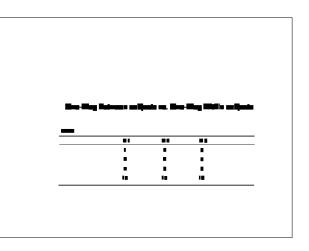
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