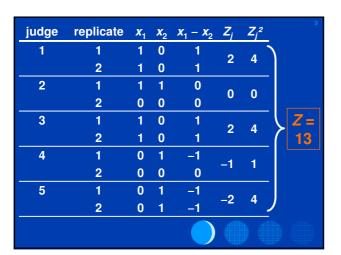
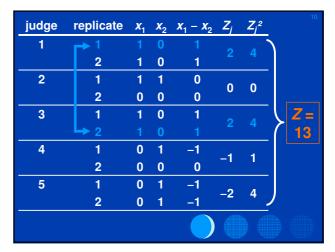
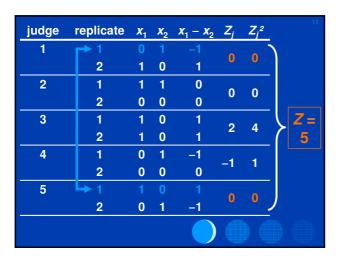


## Panel performance

- panel disagreement: assessor \* product interaction
- randomization test: permute sessions between assessors
- test statistic: squared mean difference by pairs of products, summed over assessors
- required: replications





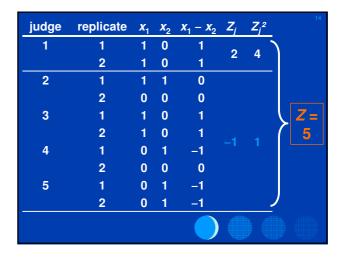


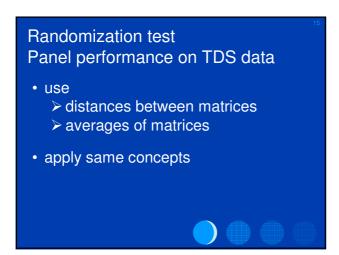
## Randomization test

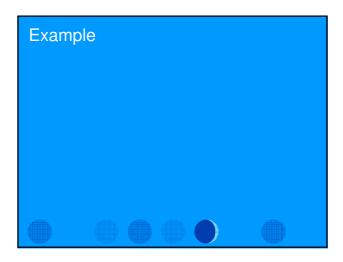
- under H<sub>0</sub>: only random differences between panelists
- re-assignment of sessions to assessors: interaction (Z) fluctuates randomly
- observed interaction not "suspiciously" large
- important: proper randomization

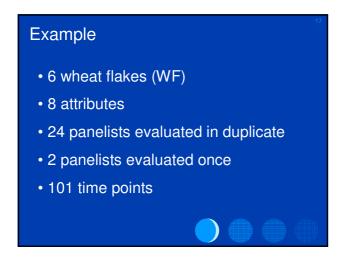


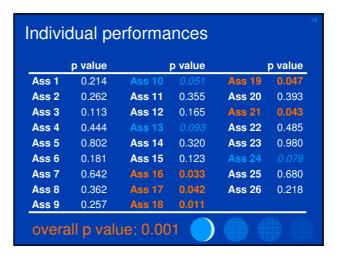
## Randomization test Individual performance • same concept • keep one panelist separate • consider all others as "the same"

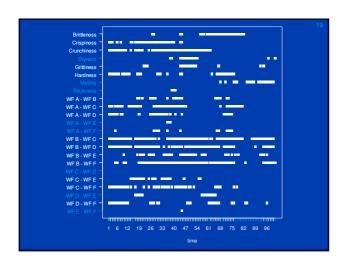


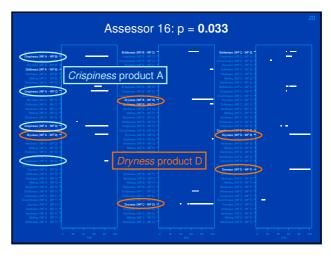


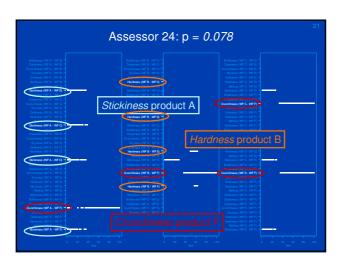


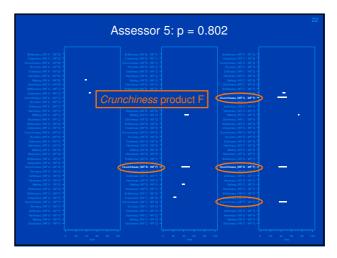












## References • Meyners M (2010). Panel and panelist agreement in studies of Temporal Dominance of Sensations. Food Quality and Preference, submitted. • Meyners M & Pineau N (2010). Statistical inference for Temporal Dominance of Sensations data using randomization tests. Food Quality and Preference, in press.

