Methodological limitations

Factorial approach has some caveats :

‣ Different experimental results

‣ Not a unique corpus of word to evaluate different effects

‣ Changing model's parameters for each effect

‣ Dichotomy of continuous variable (worse for non-linear variable)

Lists problems

‣ Impossible to create list of words that vary only for one parameter

‣ Effect of list composition

‣ Interaction between items in the list

Participants profiles

‣ Age, reading experience, education, vocabulary size often not taken into account

Some new possibilities

Mega studies : English Lexicon Project (Balota et al, 2007)

   using big database rather than different little data collections

Mixed models of linear regression rather than ANOVA

      isolate words and participants variance

      cannot change parameters for each effect !

Analysis of reading time distributions rather than just central tendencies