SPM12: F contrast

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Experiment:
Block design of left and right finger tapping

Design:
Left and Right blocks with temporal derivatives, plus regressors of motion estimates (6 degree-of-freedom) plus a constant

Define contrasts

1. t contrast: Left>Right

2. t contrast: Right>Left
3. **F contrast: both Left>Right and Right>Left**

![Contrast Table]

4. **F contrast: Reducing columns of 2,4,5:end**

![Contrast Table]
Summary

- There are two ways of defining $F$ contrasts
  1. Multiple contrasts
  2. Reducing the columns
- The ‘multiple contrasts’ might be preferred as it would remove common activation sites such as the visual cortex.
- The ‘multiple contrasts’ method is used in FSL’s FEAT.