



Estimate for **average FDR**, when  $n_{regions}$  is 12 (top) and 8 (bottom), marginalised over *display* and *trials*, by a typical participant. See Figure 3F for steps involved in calculating marginal densities.

**Average FDR if Benjamini-Hochberg** strategy was used

**Average FDR if an uncorrected strategy** is used (reject null when  $p < 0.05$ )