**Outline**

**Denote what the study was about.**

The study's primary objective was to compare false-discovery-rate (FDR) and random-field-theory (RFT) inference results in the examination of one-dimensional biochemical datasets.

**Discuss how random-field theory was used in the case study.**

Random field theory was used as an alternative multiple testing processes to restore the balance between false negatives and false positives as it is able to consider correlation.

**What were the results of the false discovery rate in the study?**

False Recovery Rate simply uses one parameter, sample size. The results of the FDR in the case study, therefore, indicate that for studies that target to maximize discovery, the FDR would be beneficial.