```
Multiple Mypothesis Testing
        Hi: factor X, influences on y,
         Hn: factor × m influences on y,
  L= 5%
 m = 20 Plat least 1 rig. result) =
           1- P(no sig. result) =
            1 - (1 - 205)^{20} \approx 264
          Corrections to wrote 1
             (1) +WER or (2) FDP
     I +WER=P(V)= hot sig
                                             S' S
          = 1 - P(V=0) Hotrae UTN VFP mo
Hofalse T IN STP M-mo
                                    ne p m
          TWER & L
             · Bonferson: core clion

∠<sub>Bon</sub> = ∠/m h- # of hypothes:s

P-value h
H, 0,03 2
             · Holm - Bonferron::

\mathcal{L}_{HB} = \frac{\mathcal{L}_{h-2ank} \circ f_{h}}{h+1-k}

Hz v,o1
U3 0,05 3
```

. Sidah - Holm:

$$d_1 = 1 - (1 - d)^m$$

$$d_n = d$$

if statistics are jointly independent (when controlling FWEE) has highest power

FDR = FWER only when thi, i= T, m

are true

Benjamin - Hochberg:

$$\frac{1}{2} = \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2}$$

· Hochbey: