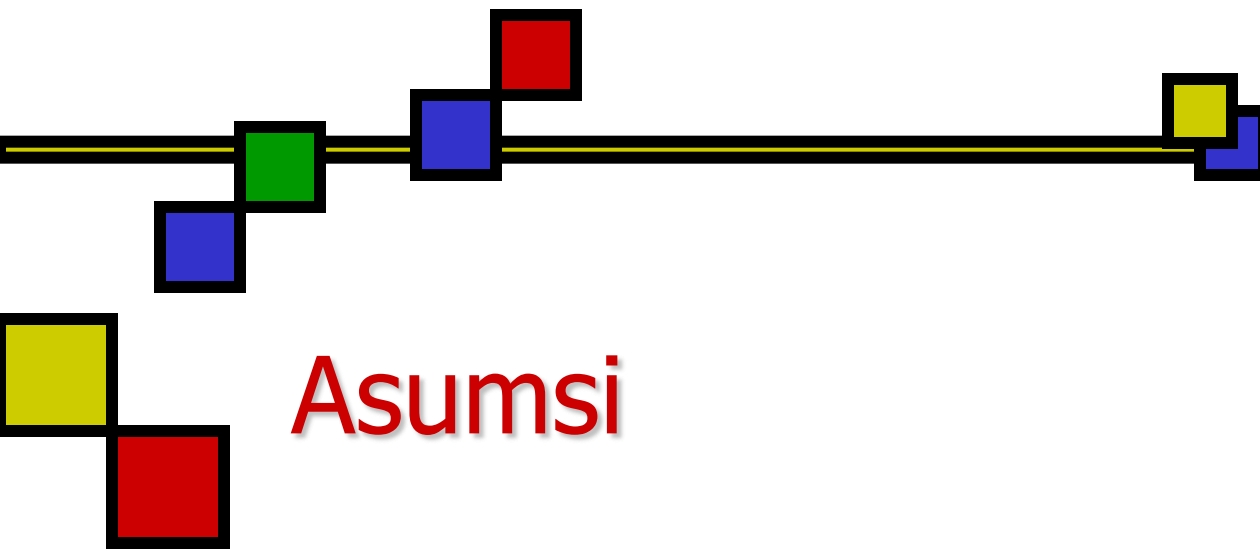


Uji Perbedaan Dua Mean atau Lebih dari Dua Mean (ANOVA)



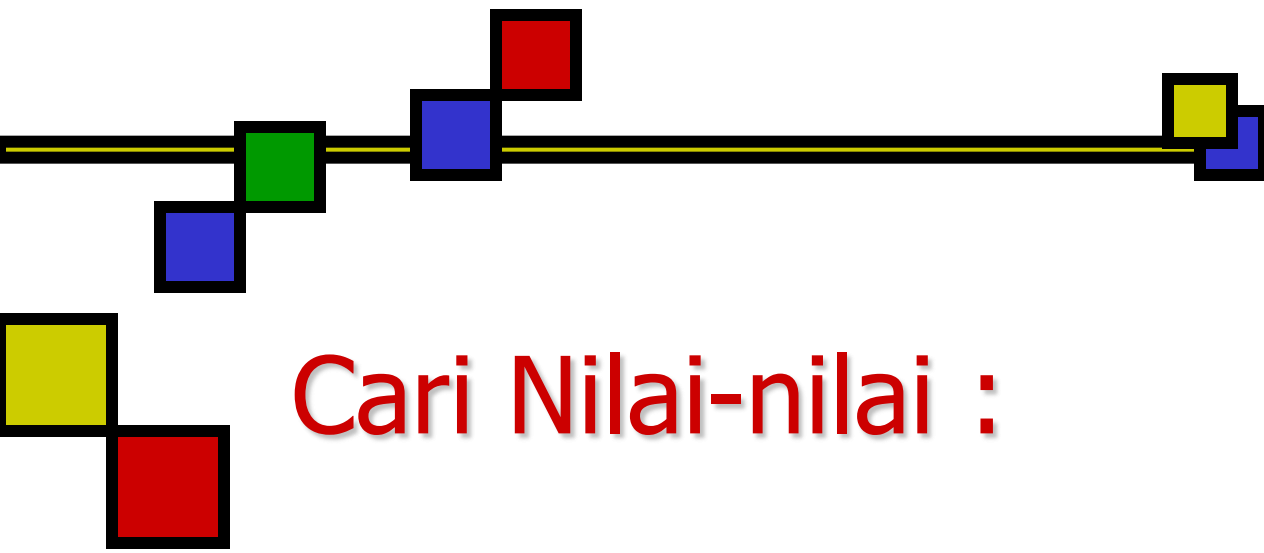
Tim Dosen Mata Kuliah Statistika Pendidikan

1. Rudi Susilana, M.Si.
2. Riche Cynthia Johan, S.Pd., M.Si.
3. Dian Andayani, S.Pd.



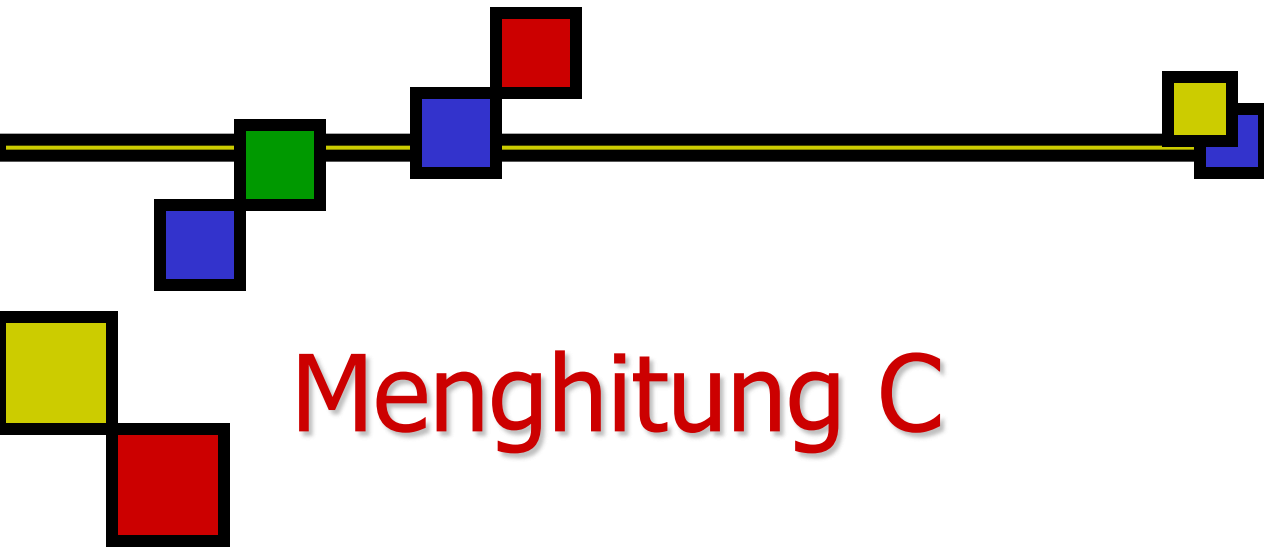
Asumsi

- Sampel Random
- Normalitas sampel terpenuhi
- Homogenitas sampel terpenuhi



Cari Nilai-nilai :

$$\sum n; \sum x; \sum x^2; \sum N; \sum X; \sum X^2$$



$$C = \frac{(\sum X)^2}{N}$$



$$SS \text{ total} : \sum X^2 - C$$

$$SS \text{ antar} : \sum \frac{(\sum X_1)^2}{n_1} + \frac{(\sum X_2)^2}{n_2} + \frac{(\sum X_n)^2}{n_n} - C$$

$$SS \text{ dalam} : SS \text{ total} - SS \text{ antar}$$



Menghitung MS antar dan MS dalam

$$MS \text{ antar} = \frac{SS \text{ antar}}{df \text{ antar}}$$

$$MS \text{ dalam} = \frac{SS \text{ dalam}}{df \text{ dalam}}$$

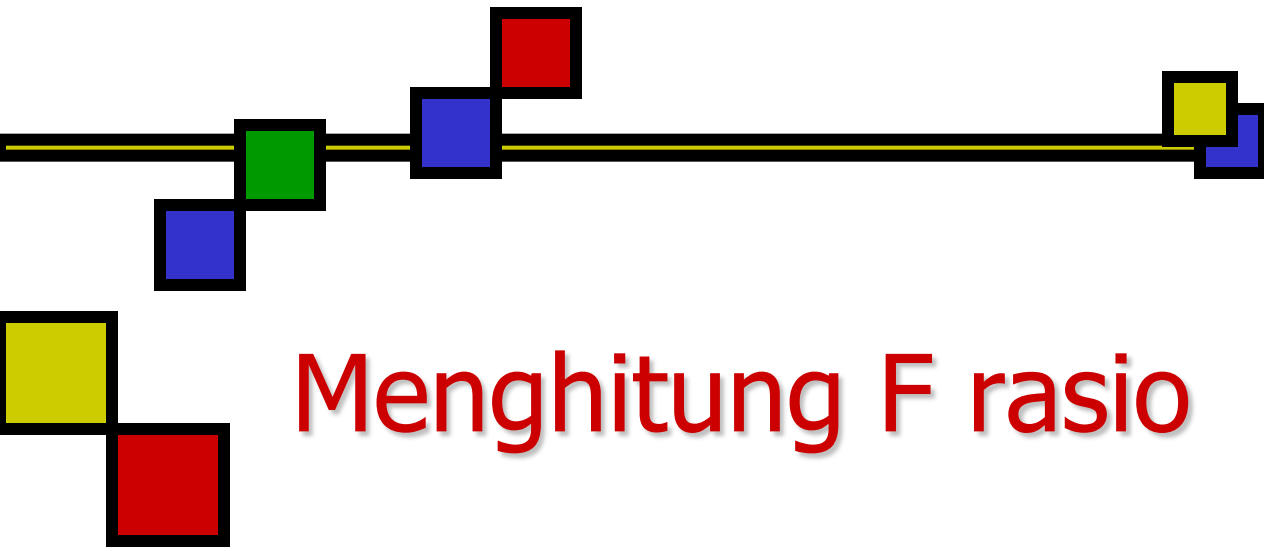


Menentukan df total, df antar dan df dalam

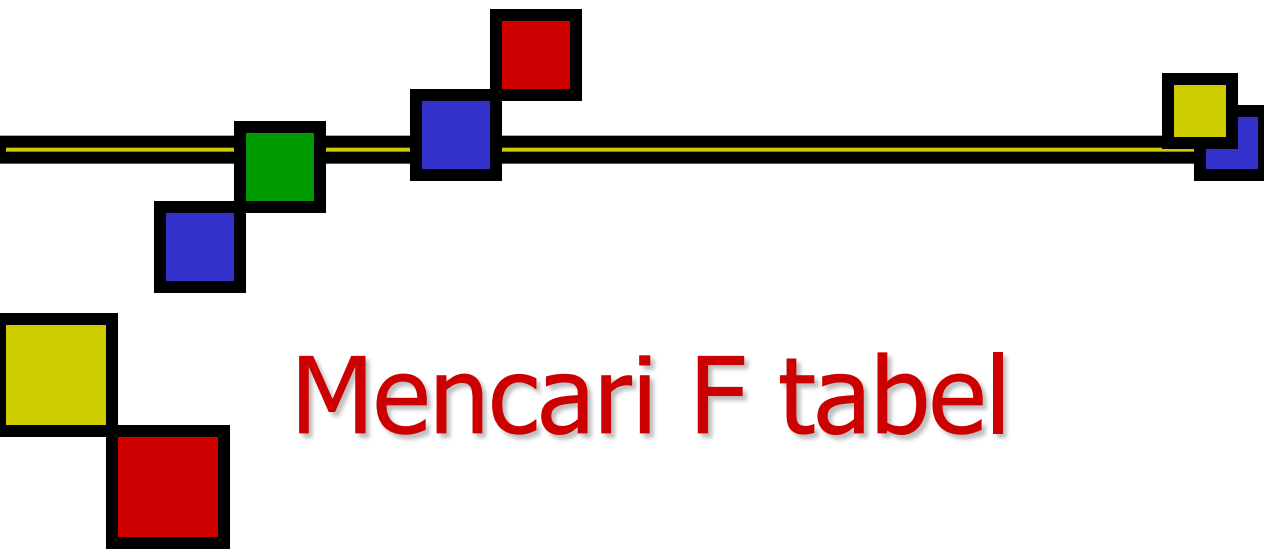
$$df \text{ total} = N - 1$$

$$df \text{ antar} = k - 1$$

$$df \text{ dalam} = N - k$$

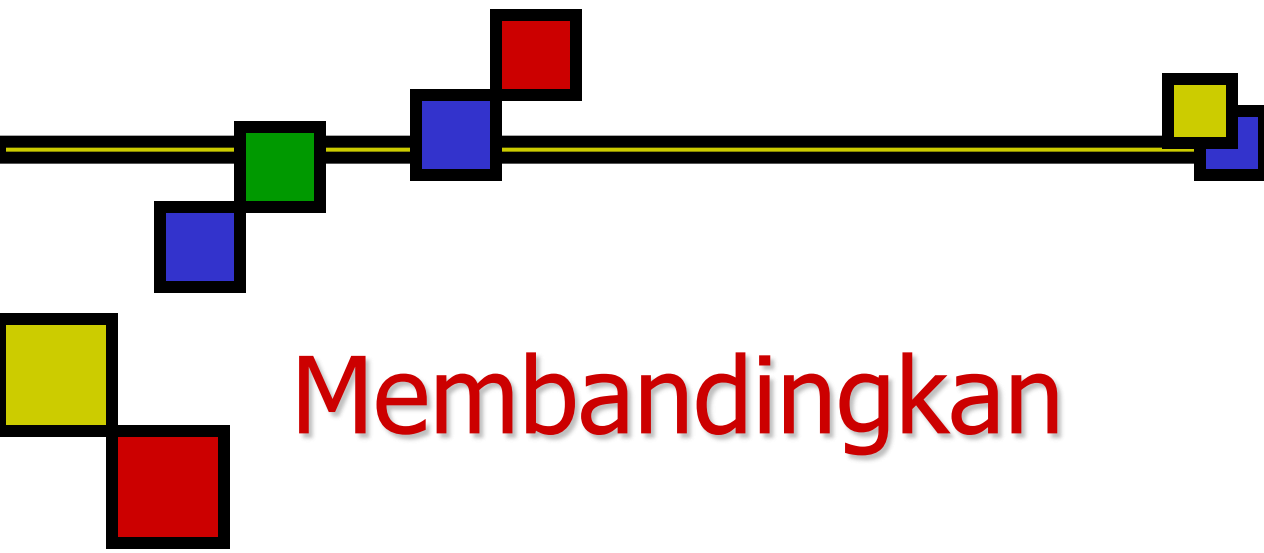


$$F = \frac{MS \text{ antar}}{MS \text{ dalam}}$$



Mencari F tabel

F tabel pada df antar (horizontal)
dan df dalam (vertikal) pada α ...



Membandingkan

- F rasio dengan F tabel
- F rasio $>$ F tabel; H_0 ditolak