1/9/25

Tack - problem - 3

Data Set:

Student_Id	Study time	3 loop duration	Evan - Score
1	Medlum	law	88.18153
2	Short	low	80.4664
3.	Short,	low	87.38021
4	8hort	low	91.51831
5	Shart	high	86.05794
6	Long	low	87. 98522
7	. Shart	high	8051832,

1. Sum of Savaros:

= 101.7281

2. Sum of Savare for factor A

= 11.9933

3. Sum of Savaran for factor B $SSB = \frac{1}{nB} \sum_{nB} \frac{(E \times n)^2}{nB} - \frac{(E \times n)^2}{nB}$

= 20.8267

T nhe raction

= -8.4920

= 77.7001p.11 = 88 (A) STIP LUEZ Degree of froodon OCP F. 8 - = (axa) roikmother of Total = N-1 = 7-1 = 600k. FF = YONG Study Time (A) = a-1 8 leep Dwalton (B) = b-1 : 10) and mark = 2 -1 1 = (d) rotorus god, Interaction (a-1) (b-1) = 2x1, Error: N-ab FAPP 8 7 Smit Medil

moon Souna (MS)

most Souther,

84md time (A) 38 = 11.9933

Stop duration (B) = 80.8267

Interation (AXB) = -8.7920

1-0 = (A) some public

1-1 3 1-11= losor in fror = 77.7001

Study time (A) = & (8) rottoned gods alpep duration (B) = 1

Interation = 2

Gror = 1/48 · (1-d) (1-d) ratheretil

M3 = 33

Study time = 5.9967

Sleep duration = 20.8267

Interation = -4,3960

100F. F.F. = 7001

F- statistic

$$FA = \frac{msA}{mserror} = 0.0772$$

$$FB = \frac{M3B}{M3Emor} = 0.2680$$
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