

ANOVA Man

Words: M. Glickman

Music: Lennon/McCartney (“Nowhere Man”)

He’s a real ANOVA man
Designing all his sampling plans
Calculating mean-squared errors and p -values.

Wants to test for equal μ ’s
Knows which tables he must use
All his samples he will choose at random.

ANOVA man, please listen;
Where’s the data you’re missing?
ANOVA man, what kinds of bias can you withstand?

Writes down two hypotheses;
Hopes to reject the first of these;
Needs to list out all degrees of freedom.

ANOVA man, try harder;
Don’t give up, you’re smarter;
ANOVA man, how come your students don’t understand?

At 0.05 he rejects
Ignores the size of his effects
Don’t look now – he’s got selection bias!

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Where’s the data you’re missing?
ANOVA man, what kinds of bias can you withstand?

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