**Quiz BF[2] - Decomposition**

Part I – Individual Quiz (Before Class)

Part II – Group Quiz (During Class)

1. How do you decompose each observed value (2 pts)?

Each observed value into (cell average + residual.)

1. How do you calculate the interaction effect? (2 pts)

Compute partial fit = grand average + effect for basic factor 1 + effect for basic factor 2; interaction effect = cell average – partial fit

1. How do you calculate the degrees of freedom for each basic factor (2 pts)?

(df for 1st factor) \* (df for 2nd factor)

1. How do you calculate the degrees of freedom for the interaction (2 pts)?

(number of cells) \* number of observation per cell -1)

**End of Part I**

1. Were you in class on time (2 pts)?

YES

1. Determine the Degrees of Freedom, Decomposition and the ANOVA table of the Wear Data (8 points).