**Quiz BF[2] – Using Software**

Part I – Individual Quiz (Before Class)

Part II – Group Quiz (During Class)

1. What is an interaction plot? When does an interaction plot show that we have an interaction (2 pts)?

Plots cell averages as points and joins the points b line segments in a way that lets you compare differences by comparing slopes of the line segments.

**End of Part I**

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

Yes

1. Get interaction plots, means plots, and boxplots with the Wear Data using R and evaluate graphs (8 pts).

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The variance of the means for the props is greater between prop 1 and 3 and filler is a great variance. The interaction plot shows the significance of an interaction.

1. Get an ANOVA table from R with the Wear Data and Interpret the Results, if appropriate, for the main effects and interaction effect (6 points).

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The interaction is significant with a p-value less than .05.

1. Do a transformation of the wear data and interpret the results (4 points)

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It is only significant at a .01 level.