The data below are from a study designed to investigate how study time differs as a function of college major (humanities versus natural science) and previous college experience (some versus none):

	Some college	No college
Humanities	12,11,10	8,7,7
Natural science	12,10,9	10,9,8

1. Construct a plot of the condition means implied by this experimental design. Plot major on the horizontal axis and separate lines for each level of college experience.

2. Perform a factorial analysis of variance on these data. Report p-values for each main effect and interaction.

3. Perform a Bayesian analysis of variance on these data. Compute and report inclusion Bayes factors for each main effect and the interaction, being sure to report the prior and posterior odds for each.

4. Interpret your results in the context of the problem.

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