Find if there is a statistically significant difference ($\alpha = 5\%$) among mean test scores of high school graduation exams in different regions of Czechia in 2023. (data are randomly generated). You only obtained self reported subset of scores from each region.

region	JM	O	V	Z
no. of obs.	199	129	60	115
mean score	74, 81	72, 11	71, 00	72, 61
sum fo squares	1123833, 76	677710, 65	305452, 98	600399, 20

Assume that all necessary assumption for ANOVA hold. Arange your results into ANOVA table.

Assume you are trying to compare mean blood pressure of people from 3 different countries. You obtained following observations:

Country A   120   122   118   121
Country B   130   128   132
Country C   125   127   126   124   128

Is there a statistically significant difference ($\alpha = 5\%$) among means of blood pressure by Country. Find pairwise differences and test all assumptions of ANOVA.