Mixed Designs – ANOVA

Homework Class 13: Perform a 3 x 3 mixed design ANOVA

- Perform an omnibus ANOVA on the below data, as well as the relevant simple effects analysis and detailed analysis (submit a print out of the Rmd/SPSS outputs employed in making your calculations).

- Report the results in a narrative APA style results section report, including relevant tables and/or figures where necessary.

	RAW			# Words Recalled	# Words Recalled	
	n	Major		High	Moderate	Low
Math	1	1		14	12	11
	2	1		10	8	9
	3	1		13	10	8
	4	1		14	11	10
	5	1		12	10	7
	6	1		8	13	8
	7	1		13	10	8
	8	1		11	8	12
	9	1		9	12	9
	10	1		12	11	10
	11	2		12	10	10
	12	2		16	15	8
	13	2		18	14	12
	14	2		15	15	8
Psychology	15	2		14	11	12
	16	2		11	10	9
	17	2		15	14	10
	18	2		16	10	9
	19	2		13	12	9
	20	2		11	9	8
	21	3		18	14	10
	22	3		20	15	9
	23	3		16	14	11
	24	3		22	15	11
	25	3		19	12	8
English	26	3		17	17	9
	27	3		21	16	11
	28	3		16	11	10
	29	3		22	14	9
	30	3		19	16	12

Data Description:

Undergraduate participants from three different majors (Math, Psychology, English) completed a memory experiment investigating effects of depth-of-processing. Each participant completed three depth-of-processing conditions (high, moderate, and low).

mixed_ANOVA_homework.csv