Question 1 of 9: Data set 1 represents a set of distinct studies conducted on small populations of studentsyou might see these types of results if you administered a survey to the students of just one classroom teacher.  Within data set 1, how many correlations are statistically significant (according to the customary p<0.05 definition) if you do not apply any sort of post-hoc control?  10  Question 2 of 9: If you apply a post-hoc Bonferroni control to these results, how many	1
correlations remain statistically significant?	
Question 3 of 9: If you apply Benjamini & Hochberg's FDR Correction to these results, how many correlations remain statistically significant?	
9	
Question 4 of 9: What is the correlation with the lowest p-value that comes up significant for B&H but not for Bonferroni?	
<ul><li>○ A) 0.245614914</li><li>○ B) 0.237749612</li></ul>	
O) 0.288032855	
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Question 5 of 9: Data set 2 represents a larger set of correlations within data from a larger population of studentsfor example, the entire population of students using a medium-sized online learning environment. Within data set 2, how many of the 1,112 correlations are NOT statistically significant (according to the customary p<0.05 definition) if you do not apply any sort of post-hoc control?	
19	
Question 6 of 9: If you apply a post-hoc Bonferroni control to these results, how many correlations are now NOT statistically significant?	
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Question 7 of 9: If you apply Benjamini & Hochberg's FDR Correction to these results, how many correlations are now NOT statistically significant?	
19	
Question 8 of 9: What is the lowest correlation that is still statistically significant, according to Bonferroni's test?	
<ul><li>A) 0.26227631</li><li>B) 0.1976639</li></ul>	
O D) 0.1970039	~

○ C) 0.05965262 ● D) 0.01609085		
Question 9 of 9: Now do you see why Professor Baker says that statistical significance doesn't matter much for really big data sets? (and this is NOT a big data set by reckoning in other fields)		
A) Yes Bonferroni is ridiculously conservative with 1,112 tests, and yet correlations that are absurdly small still come up statistically significant.		
<ul> <li>B) No. I think the answer to Question 9 is a fine correlation, perfectly likely to represent a large effect size.</li> </ul>		
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