

✓ Congratulations! You passed!

TO PASS 80% or higher

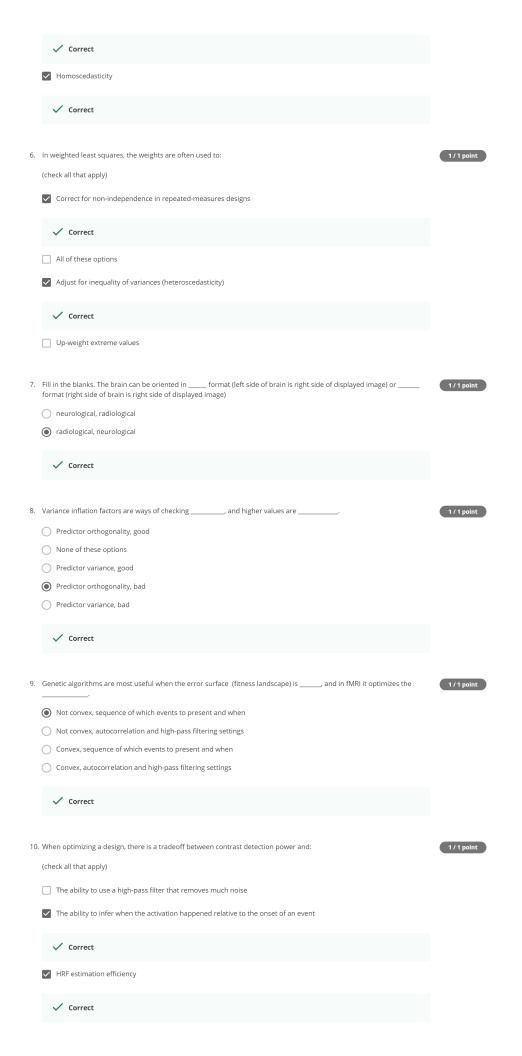
Errors are normally distributed

Keep Learning

grade 100%

Quiz 2

LATEST SUBMISSION GRADE 100%		
1.	What are the goals of experimental design in fMRI? To induce subjects to do or experience the psychological states being studied Neither of these options To effectively detect brain signals related to the psychological states being studied Both of these options ✓ Correct	1/1 point
2.	Which of the following are factors that make an experimental design more efficient? (check all that apply) Large rise and fall in predictors (predictor variance) Correct	1/1 point
	 ✓ Low covariance among predictors (orthogonal predictors) ✓ Correct Small sample sizes (variance proportional to sqrt(n)) 	
3.	Parametric modulators are often included in the GLM analysis in order to: Correct for 'spin history' artifacts. Allow for flexible HRF shapes. Correct for normalization errors. Allow for trial-by-trial variation in the amplitude of the response related to a behavioral outcome.	1/1 point
	✓ Correct	
4.	Which of the following temporal basis sets are generally thought to provide the most flexible estimates of the hemodynamic response function? Finite Impulse Response Canonical HRF + derivatives A third-order polynomial function Canonical HRF	1/1 point
	✓ Correct	
5.	Which of the following are assumptions required for the GLM to give valid p-values? (check all that apply) Observations come from same distribution Correct	1/1 point
	✓ Data are independent observations ✓ Correct	



11.	Robust regression is good for automatically dealing with:	1 / 1 poi
	(check all that apply)	
	✓ Violations of normality caused by outliers	
	✓ Correct	
	☐ Small sample sizes	
	Correction for multiple comparisons	
	Highly influential points that may otherwise skew a regression	
	✓ Correct	

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Most violations of statistical assumptions