

Problem Sets Between Test 2 and Test 3

Only turn in problems that are **not** bracketed. Bracketed problems are additional problems you can look at. Round brackets indicate problems that may help you with problems that are assigned; square brackets are additional problems on material that you should know, but you are not required to write up solutions; curly brackets are truly optional and may contain extra nuggets that you will not be required to know but may be interested in.

Additional assignments will be filled in over time.

PS	Due	Source	Problems
13	Thurs 11/06	FASt 3	34 joint distributions 35 dinner date 37–38 points in a circle 39 where is independence 40 independent sums 42–43 independent sums Prove Thm 3.7.9 (1) for continuous case
14	Tues 11/11	FASt 4 FASt 2	1 weighted sum 2 accuracy of estimator 3 sampling distribution 4 sensitive questions 67–69 covariance
15	Thurs 11/13	FASt 4	16 rock 21 unbiased estimator
16	Thurs 11/20	FASt 4 FASt Appendix C	12 linear transforamtion 13 Poisson approximation 15 public opinion 17 coverage rates 19 one-sided CIs 22 estimating σ^2 3 distributive dot product 4–6 projection 8 orthonormal basis

notation	meaning
unbracketed	assigned problem – turn these in for grading
()	helper/warm-up problem
[]	additional problems (you are responsible for content, but don't turn them in)
{ }	covers optional material