
M362K (57055), Homework #10

Instructor: Ravi Srinivasan

Due: 12pm, Wednesday, Apr. 21

Note: Please include your name and UT EID on the front page. To get credit, please show your work and not only your final answer. Please keep answers organized in the same order the problems have been assigned.

Complete the following problems from ``Probability,`` by Jim Pitman:

--Cumulative distribution functions--

* p. 323, #1,2,4,6

* pp. 334-337, #4,22,24

[Note: For #6(d), read the bottom of p. 316. This is similar to an example we did in class except we now work with the maximum, instead of minimum, of independent r.v.'s.]

--Uniform distributions--

* pp. 344-345, #2,3,4

--Joint densities--

* pp. 354-356, #1,4,7,12,16,18

* pp. 387-388, #2,5,10

[Note: For #18, use symmetry!]

--Extra credit (2 points)--

* p. 388, #14
