

**18.655 Problem Set 6 Spring 2016**  
**Mathematical Statistics**  
**Due Date: 3/18/2016**

Problems from Bickel and Doksum, 2nd Ed. [*Chapter.Section.Problem*]

1. Problem 2.2.5

(Additional Hint: if  $\tan(\alpha) = \theta_2$  then  $|\cos(\alpha)| = \sqrt{1 + \theta_2^2}$ )

2. Problem 2.2.9

3. Problem 2.2.10, parts (a), (b).

4. Problem 2.2.11

MIT OpenCourseWare  
<http://ocw.mit.edu>

18.655 Mathematical Statistics  
Spring 2016

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.