

Statistics – OR 155, Section 1, Homework # 9

Due: Thursday, March 26, 2009

1.112

1.124 (by 68-95-99.7 rule: 2.5%, by NORMDIST: 2.28%)

1.121a Notes:

- “Standard Normal” has mean 0, and s.d. 1
- For “shade area”, use Excel to draw density, and then shade by hand

1.125, 1.121 b, c, d

1.136 (0.079, 0.271), 1.137

1.117

1.115, 1.116 (50%, 2.5%, 0.18-0.22)

1.119

1.122 (-0.675, 0.385) 1.123

1.132 (1294) 1.133 (850 and lower) 1.139

1.143

1.145

1.146 (a. approx. normal + big outlier; b. close to normal; c. right skew + one big outlier; d. Non-normal with several clusters)