

Practice Exam 2

All interps are at the end

103. B
104. C
105. B
106. B
107. B
108. B
109. C
110. B
111. A
112. B
113. A
114. D
115. B
116. C
117. T
118. B
119. A
120. B
121. A
122. C
123. E
124. D
125. C
126. B
127. D
128. A
129. C
130. A
131. C
132. D
133. .0359
134. alt: $\mu \neq 2.65$, $z=2.33$, $p=.0099$, reject
135. B
136. A
137. 98.4 ± 0.298 , alt: $\mu \neq 98.6$, 98.6 is in the C.I so fail to reject
138. alt: $\mu < 7$, $z=-3.3$, $p=.0005$, reject
139. D
140. A
141. A
142. F
143. F
144. T
145. E
146. C
147. B
148. A
149. T
150. A
151. C
152. D
153. alt: $\mu < 3103$, $t = -8.6$, $p \sim 0$, reject
154. B
155. B
156. B
157. $3.48 \pm .268$ ($t^* = 1.708$)
158. alt: $\mu > 75$, $t = 9.6$, $p \sim 0$, reject

interpretations in terms of the problem:

when reject: sufficient evidence to believe the true mean ___ is (state the alt hypot)

when fail to reject: insufficient evidence to believe the true mean ___ is (stat the alt hypot)

confidence intervals: ___ % confident the true mean ____ is between ____ and ____