

AGE IN MONTHS -- FALL 1993

229 236 237 240 240 242 244 245 247 250
250 250 250 251 251 252 253 254 254 255
255 255 258 258 261 261 261 262 262 262
263 263 264 264 267 268 268 270 270 271
272 272 273 273 274 274 275 280 286 287
289 290 291 292 294 308 310 323 326 346
512 572

n = 62

Median = $[(n + 1)/2]^{\text{th}} = [(62 + 1)/2]^{\text{th}} = 31.5^{\text{th}}$ observation = 263

Q_1 = median of lower 31 observations = $[(31 + 1)/2]^{\text{th}} = 16^{\text{th}}$ observation = 252

Q_3 = median of upper 31 observations = $[31 + 16]^{\text{th}} = 47^{\text{th}}$ observation = 275

IQR = $Q_3 - Q_1 = 275 - 252 = 23$

lower fence = $Q_1 - (1.5)(\text{IQR}) = 252 - (1.5)(23) = 217.5$

upper fence = $Q_3 + (1.5)(\text{IQR}) = 275 + (1.5)(23) = 309.5$