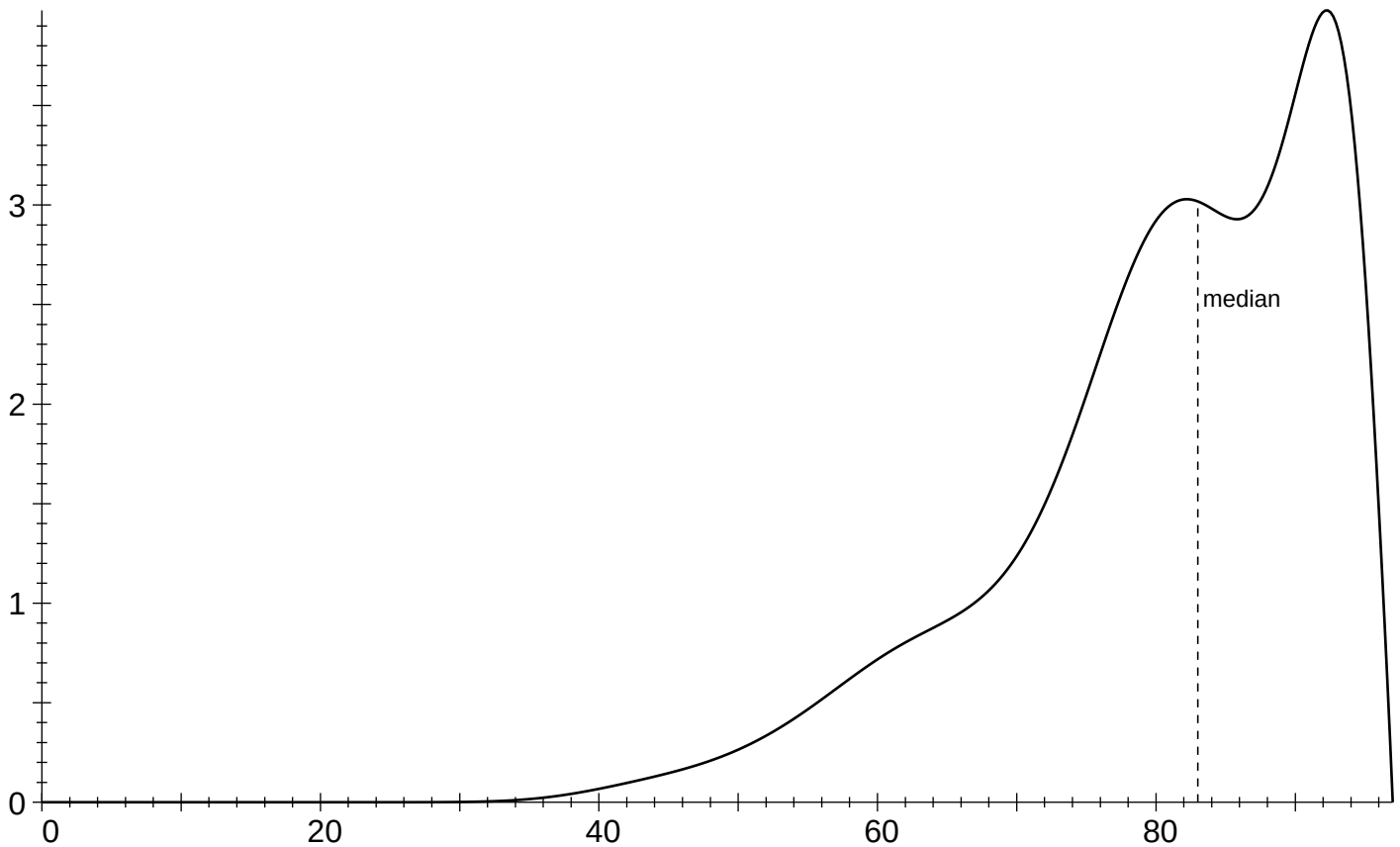CS312 Problem Set 4