Nama: Johanes Yogtan Wicaksono Raharja

NIM : 215314105

20. California Speeding Listed below are recorded speeds (in mi/h) of randomly selected – cars traveling on a section of Highway 405 in Los Angeles (based on data from Sigalert). That part of the highway has a posted speed limit of 65 mi/h. Assume that the standard deviation of speeds is 5.7 mi/h and use a 0.01 significance level to test the claim that the sample is from a population with a mean that is greater than 65 mi/h.

68 68 72 73 65 74 73 72 68 65 65 73 66 71 68 74 66 71 65 73 59 75 70 56 66 75 68 75 62 72 60 73 61 75 58 74 60 73 58 75

Man : Techanis your Un clia : 215314105 1 Dihan: : Cho: 65, 6: 5,79, n= 40, X=7, Q: 1% Alanch Keccane a Schan dissant 65 will Personal in ales Perseleinia: - cuea (x) = 68,375 Y = x1+...+xn = 2735 = 60,375 - Gippen's = Green (2) - while don' Ho = M1 = 65 s fight failed fichas abogi 2. H = MA = 65 - wili libis Zafe : 0,005 = 2,7525 - Za = 0,01 = 2,325 7 hit = 2575 21325 2 Wit = 7 - CA = 68,375 - 65 5,7 /V 40 = 3,744 This 3,744 2 25 2,325 Jaci, si cas als bust bor peans. Selar cei back