	DAMT		Shubham Shankar
	CSE: 5301-	002	80010F1001
	Assignment -5		
(1)	H = 1.73		Lever to
	o = 0·2	ig ig	. 1
	N = 30	1	
	a = 0.05	E	1 11 3
	426.00	* · · ·	. }
	Step 1: Hypothesis		
	Ho: H = 1.73 → Null hypothesis		
	Ho: H = 1.73 → Null hypothesis H1: H > 1.73 → Alternate hypothesis		
	Julia Company Maria Ser	+ + V V	0'
	One-tailed test	7 4-1-	
	Malale Malale	AND A REAL	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	Step 2: Significance value		
	Zo.05 = 011(0.95) = 1.645		
- 1	Class 3 march a Ch	20000	
	Step 3: random Chance Z= X-H 1.714-1.73 = -0.45653		
	0.2		
	VI V		
1/	Step 4: Decision -0.45653 < 1.645,		
	· Null hypo	thes is	accepted &
- Mar Air	alternate hypothesis is rejected.		
b 7	Hence We can conclude that average height is		
	not increased in Last 10 years		
			ned with CamScanner

	Le visco Milanti		
(2)	Method A		
	M=7		
	0 = 3		
	Method B		
	$\bar{X} = 122 = 8.134$		
	15		
	r = 3.31375		
	in =/ 15 - 611 - 141		
2.	Step1: Hypothesis Ha = H = 7 -> Null hypothesis H = H = 7 -> alternate hypothesis		
	Ho= W=7 -> Null hypothesis		
	4, = 4 ≠ 7 → alternate hypothesis		
	Two-tooled test		
	A CONTRACTOR OF STREET		
	Step 2: Significance Value. $ \alpha = 0.01 \alpha = 0.005 $		
	d=0.04 d=0.00s		
	and the state of t		
1.8.5	\$\(\phi(\tau.00s) = \Phi^{-1}(1-0.00s) = \Phi^{-1}(0.99s) = 2.57		
	Step3: random Chance probability $Z = \overline{X} - 4 = 8.134 - 7 = 1.46312$		
	Z = X - H 311 8.134-7 = 1.46312		
	3		
51	In The Tis		
	Step 4: Decision: 1:46312 doesnot fall in rejection region. Hence Null hypothesis is		
	rejection region. Hence Null hypothesis is		
the tree	maintained.		
4-1	Method B. is better than A.		

The North Asset of the same

Abstract Co. N. To. 11

Step1: Hypothesis

Q=0.05

Step 2: Significance Level.

 $\alpha = 0.05 \rightarrow \alpha = 0.025$

Φ-1 (Z0.025): Φ-1 (1-0.025)

Step 3: random chance probability

Z = X - H = 3.76 - 3.65 - 0.91539

Step 4: Decision -> Since 0.91539 does not fall in rejection, null hypothesis is retained

4 M= 16 J = 5.8 $\bar{X} = \xi \times = 167.8 = 16.78$ X = 0.05 Step 1: hypothesis

Ho: H = 16 → Null hypothesis

H: H < 16 → Alternate hypothesis Stepa: Significance Level Φ'(Z0.05)= Φ'(1-0.05)=Φ'(0.95) =1.645 Step3: random chance probability

Z = X - 4 - 16 - 78 - 16 = 0.42527

5.8 Step4: Decision 0.42527 < 1.645 :. Null hypothesis retained