F.T. Assignmen I Name: mp. Shanjidul Islam Sadhin ID: 20-42621-1 serial: 15

trom given dolo values

Tear	2008	2009	2010	2011	2012	2013
income (incrores)	43	51	64	76	81	06 1

year'	Icome	3 year semitotal	3 year semi averge	Tends value
2008	43	10	10	52.67-10.553=42.057
2009	51	158	154 = 52.67	42.057+10.553=52.67
2010	64	7	201	52.67+10.553=63.72
2011	760		0.50	63.22 40.553=73.78
2012	81	253	253 = 84.33	93,76+10.563=84.3°
2013	26		.00	84,33+10.563=94.86
*	67		13 10	2102
-				00 0000

Difference between contral year. 2012-2009=3

Difference between semi-avarage 84.33-52.67=31.66.

Increase in trandralve for one year.
31.66/3 = 10.553

Mame: IMP Stranjital Islaga Badlin 10: 20-42691-7 3001615

2

From given data values.

2012	2012	2002/2010/2011	2008
Year	Loan	3 years semito	tal 3 years semi average
2004	40	14/1-1-1	
2005	42	121	40.33
2006	39	mitohil 2012 sonis	35.33
2007	25	91	30,33
2006	27	103	4084.33
2000	51	106	35.33
2010	28	105	882 35 18 210
2011	26	85	28,33
2012	军 31	87	29
2013	30	109	36.33
2014	48	3140 130000	2113105411
A Commented		1 2010 - 2000 - 1	

Difference between somi-everythe

Exercise traid taluetor one teas.

The transition matrix p = Poo Poi = [0.6 0.4] so we need poo 0.8 6.2] so we need poo P= 10.6 0.47 [0.6 0.4] = 10.68 0.32 [0.8 0.2] [0.8 0.2] = [0.64 0.36] PY=[0.68 0.32] [0.68 0.32] [0.6672 0.3328] [0.64 0.36] [0.64 0.36] = [0.6656 0.3344] P= 0.6672 0.3328 [0.6 0.4] 0.6656 0.3344 [0.8 0.2] = \[0.66666 \ 0.33344 \]
= \[0.66688 \ 0.33312 \] The Probability that the customer will enter the shop from sam to 2PM is 0.66656 2621010 = 4525010 3 20F11.0 =

Given 1 = 2 per minute.
Probability of elapsed time between 16th 811th mail

more than 1 minute

$$P(T > 1) = e^{-2x1} = 0.13534$$

(i) Less than 2 minute
$$P(T \leq 2) = 1 - e^{2} = 1 - e^$$

1120.98170000

11) between 1-2 minutes. 8833310