



Experiment No. 4

February 14, 2019, 4:01 pm

Trip Distribution : Growth Factor Distribution Model Fratar Growth Factor Method

Input Values :

Origin-Destination Matrix For Base Year				
Zone	1	2	3	Origin Totals
1	30	5	85	120
2	45	20	105	170
3	10	30	20	60
Destination Totals	85	55	210	

Origin Totals For Future Year			
Zone	1	2	3
	140	225	60



Destination Totals For Future Year			
Zone	1	2	3
	95	50	280

Selected Accuracy : Individual Cell

Entered Accuracy Level (i.e., percentage of error): 3 %

Iteration # 1

Fratar Growth Factor Matrix For Future Year					
Zone	1	2	3	Origins Total Base year	Origins Total Future year
1	35	5.833	99.167	140	140
2	59.559	26.471	138.971	225	225
3	10	30	20	60	60
Destinations Total Base year	104.559	62.304	258.137		
Destination Total Future year	95	50	280		

Fratar Growth Factor Matrix For Future Year



Zone	1	2	3	Origin Totals Base Year	Origins Total Future year
1	31.8	4.681	107.566	144.047	140
2	54.114	21.243	150.741	226.098	225
3	9.086	24.076	21.694	54.855	60
Destination Total Base year	95	50	280		
Destination Total Future year	95	50	280		

Final Result

Fratar Growth Factor Matrix For Future Year					
Zone	1	2	3	Origin Totals Base Year	Origins Total Future year



1	15.135	1.892	122.973	140	140
2	28.602	5.72	190.678	225	225
3	7.869	9.836	42.295	60	60
Destination Total Base year	51.606	17.448	355.946		
Destination Total Future year	95	50	280		

Fratar Growth Factor Matrix For Future Year					
Zone	1	2	3	Origin Totals Base Year	Origins Total Future year
1	13.751	1.518	133.388	148.658	140
2	25.987	4.591	206.827	237.405	225
3	7.149	7.894	45.877	60.92	60
Destination Total Base year	46.888	14.003	386.093		
Destination Total Future year	95	50	280		

No. of Iteration taken to reach final result : 7