

Assignment 3 - Data Analysis

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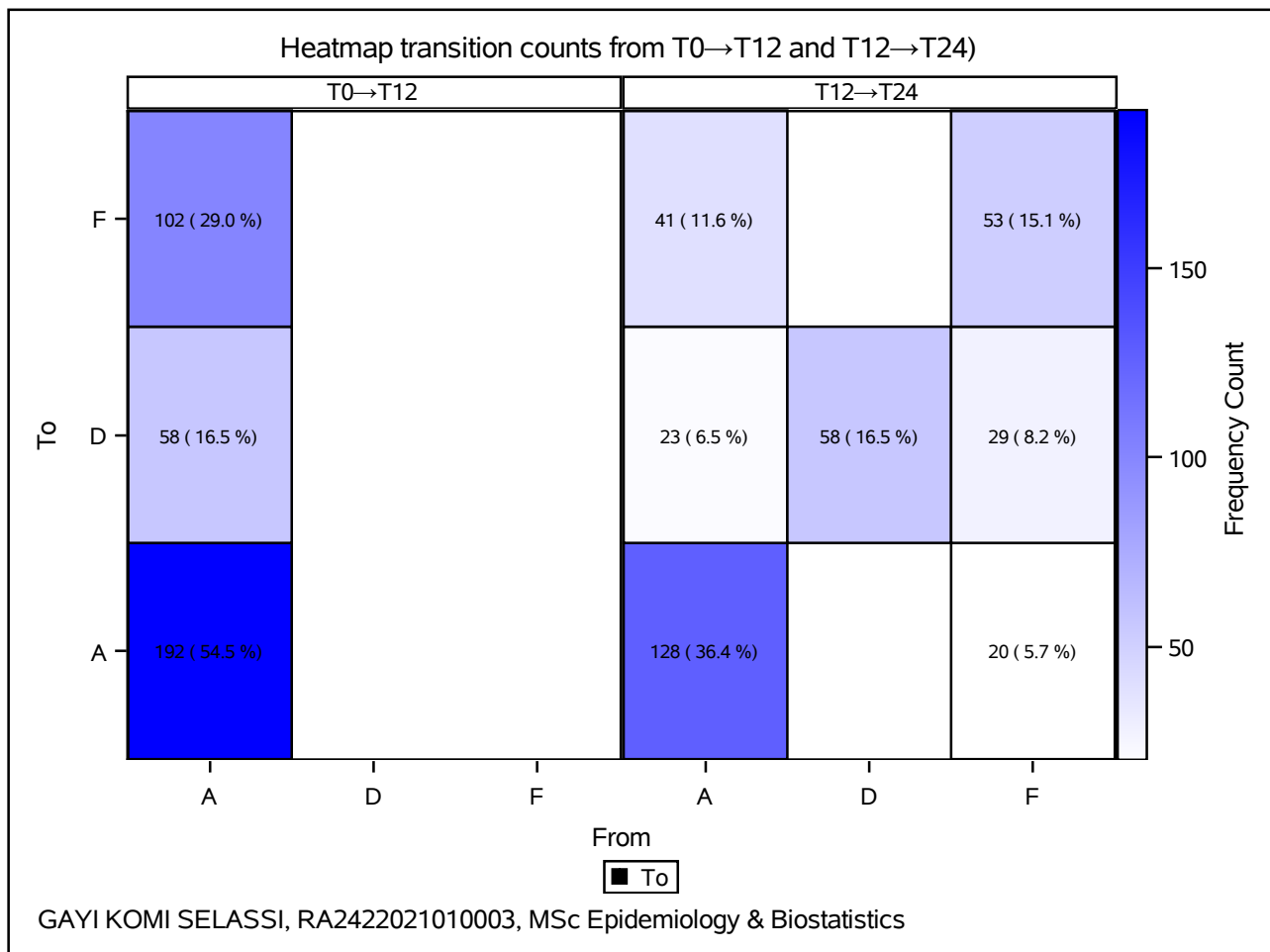
Portfolio: [Click Here](#)Access the GitHub Repository: [Click Here](#)**1. Transition Table T0 â†’ T12: Count (Proportion):*****The FREQ Procedure***

<i>Frequency Row Pct</i>	<i>Table of state_t0 by state_t12</i>				
	<i>state_t12</i>				<i>Total</i>
	<i>state_t0</i>	<i>A</i>	<i>D</i>	<i>F</i>	
<i>A</i>		192	58	102	352
		54.55	16.48	28.98	
<i>Total</i>		192	58	102	352

2. Transition Table T12 â†’ T24: Count (Proportion):***The FREQ Procedure***

<i>Frequency Row Pct</i>	<i>Table of state_t12 by state_t24</i>				
	<i>state_t24</i>				<i>Total</i>
	<i>state_t12</i>	<i>A</i>	<i>D</i>	<i>F</i>	
<i>A</i>		128	23	41	192
		66.67	11.98	21.35	
<i>D</i>		0	58	0	58
		0.00	100.00	0.00	
<i>F</i>		20	29	53	102
		19.61	28.43	51.96	
<i>Total</i>		148	110	94	352

3. Heatmap Flow of patients between states (transition counts and overall percent from T0â†’T12 and T12â†’T24):



4. Baseline Characteristics by attrition status at Week 12:

Baseline Characteristics by attrition status at Week 12		state_t12			
		A	D	F	All
age	Mean	64.94	69.12	64.04	65.37
	Std	10.29	9.06	9.32	9.94
fact_bl	Mean	76.24	66.85	73.29	73.83
	Std	15.66	16.53	16.48	16.35
hads_pt_anx_bl	Mean	6.84	7.35	7.91	7.23
	Std	3.21	3.88	3.87	3.55
hads_pt_dep_bl	Mean	4.88	7.74	5.83	5.63
	Std	3.66	4.43	4.65	4.21
n12	Mean	1.64	2.42	1.83	1.82
	Std	1.92	2.88	2.83	2.39
sex					
f	N	77	29	48	154
	ColPctN	40.96	50.88	48.00	44.64
m	N	111	28	52	191
	ColPctN	59.04	49.12	52.00	55.36
ecogps					
0	N	50	6	22	78
	ColPctN	26.60	10.53	22.00	22.61
1	N	116	28	66	210
	ColPctN	61.70	49.12	66.00	60.87

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Heatmap transition counts from T0 to T12 and T12 to T24)

Baseline Characteristics by attrition status at Week 12		state_t12			
		A	D	F	All
<i>bcogps</i>	<i>N</i>	22	23	12	57
	<i>ColPctN</i>	11.70	40.35	12.00	16.52
<i>tumrtyp</i>					
<i>Esophageal/GEJ/Gastric</i>	<i>N</i>	15	3	10	28
	<i>ColPctN</i>	7.98	5.26	10.00	8.12
<i>Hepatic/Biliary/Pancreatic/Unknown primary</i>	<i>N</i>	52	23	35	110
	<i>ColPctN</i>	27.66	40.35	35.00	31.88
<i>Lung</i>	<i>N</i>	121	31	55	207
	<i>ColPctN</i>	64.36	54.39	55.00	60.00
<i>arm</i>					
1	<i>N</i>	90	25	51	166
	<i>ColPctN</i>	47.87	43.86	51.00	48.12
2	<i>N</i>	98	32	49	179
	<i>ColPctN</i>	52.13	56.14	49.00	51.88
<i>ptmargstat</i>					
<i>Divorced</i>	<i>N</i>	21	9	19	49
	<i>ColPctN</i>	11.17	15.79	19.00	14.20
<i>Domestic partnership</i>	<i>N</i>	3	1	3	7
	<i>ColPctN</i>	1.60	1.75	3.00	2.03
<i>Married</i>	<i>N</i>	120	32	56	208
	<i>ColPctN</i>	63.83	56.14	56.00	60.29
<i>Never married</i>	<i>N</i>	18	6	7	31
	<i>ColPctN</i>	9.57	10.53	7.00	8.99
<i>Separated</i>	<i>N</i>	2	.	6	8
	<i>ColPctN</i>	1.06	.	6.00	2.32
<i>Widowed</i>	<i>N</i>	24	9	9	42
	<i>ColPctN</i>	12.77	15.79	9.00	12.17
<i>race1</i>					
<i>Asian</i>	<i>N</i>	8	2	4	14
	<i>ColPctN</i>	4.26	3.51	4.00	4.06
<i>Black or African American</i>	<i>N</i>	21	6	13	40
	<i>ColPctN</i>	11.17	10.53	13.00	11.59
<i>Other</i>	<i>N</i>	7	2	12	21
	<i>ColPctN</i>	3.72	3.51	12.00	6.09
<i>White</i>	<i>N</i>	152	47	71	270
	<i>ColPctN</i>	80.85	82.46	71.00	78.26

Heatmap transition counts from T0â†'T12 and T12â†'T24)

5. Baseline Characteristics by attrition status at Week 12:

Baseline Characteristics by attrition status at Week 24		state_t24			
		A	D	F	All
age	Mean	65.18	66.42	64.46	65.37
	Std	10.37	9.87	9.33	9.94
fact_bl	Mean	76.60	69.83	74.06	73.83
	Std	15.72	16.90	15.91	16.35
hads_pt_anx_bl	Mean	7.32	7.08	7.28	7.23
	Std	3.25	3.68	3.86	3.55
hads_pt_dep_bl	Mean	4.97	6.65	5.51	5.63
	Std	3.72	4.60	4.30	4.21
n12	Mean	1.68	2.40	1.39	1.82
	Std	1.95	3.11	1.95	2.39
sex					
f	N	66	50	38	154
	ColPctN	45.21	47.17	40.86	44.64
m	N	80	56	55	191
	ColPctN	54.79	52.83	59.14	55.36
ecogps					
0	N	43	16	19	78
	ColPctN	29.45	15.09	20.43	22.61
1	N	90	61	59	210
	ColPctN	61.64	57.55	63.44	60.87
2	N	13	29	15	57
	ColPctN	8.90	27.36	16.13	16.52
tumrtyp					
Esophageal/GEJ/Gastric	N	8	10	10	28
	ColPctN	5.48	9.43	10.75	8.12
Hepatic/Biliary/Pancreatic/Unknown primary	N	47	37	26	110
	ColPctN	32.19	34.91	27.96	31.88
Lung	N	91	59	57	207
	ColPctN	62.33	55.66	61.29	60.00
arm					
1	N	67	48	51	166
	ColPctN	45.89	45.28	54.84	48.12
2	N	79	58	42	179
	ColPctN	54.11	54.72	45.16	51.88
ptmargstat					
Divorced	N	19	15	15	49
	ColPctN	13.01	14.15	16.13	14.20
Domestic partnership	N	3	2	2	7
	ColPctN	2.05	1.89	2.15	2.03

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Heatmap transition counts from T0 to T12 and T12 to T24)

Baseline Characteristics by attrition status at Week 24		state_t24			
		A	D	F	All
<i>ptmargstat</i>					
<i>Married</i>	<i>N</i>	91	59	58	208
	<i>ColPctN</i>	62.33	55.66	62.37	60.29
<i>Never married</i>	<i>N</i>	9	14	8	31
	<i>ColPctN</i>	6.16	13.21	8.60	8.99
<i>Separated</i>	<i>N</i>	3	1	4	8
	<i>ColPctN</i>	2.05	0.94	4.30	2.32
<i>Widowed</i>	<i>N</i>	21	15	6	42
	<i>ColPctN</i>	14.38	14.15	6.45	12.17
<i>race1</i>					
<i>Asian</i>	<i>N</i>	7	3	4	14
	<i>ColPctN</i>	4.79	2.83	4.30	4.06
<i>Black or African American</i>	<i>N</i>	17	9	14	40
	<i>ColPctN</i>	11.64	8.49	15.05	11.59
<i>Other</i>	<i>N</i>	7	5	9	21
	<i>ColPctN</i>	4.79	4.72	9.68	6.09
<i>White</i>	<i>N</i>	115	89	66	270
	<i>ColPctN</i>	78.77	83.96	70.97	78.26