Assignment 3 - Data Analysis

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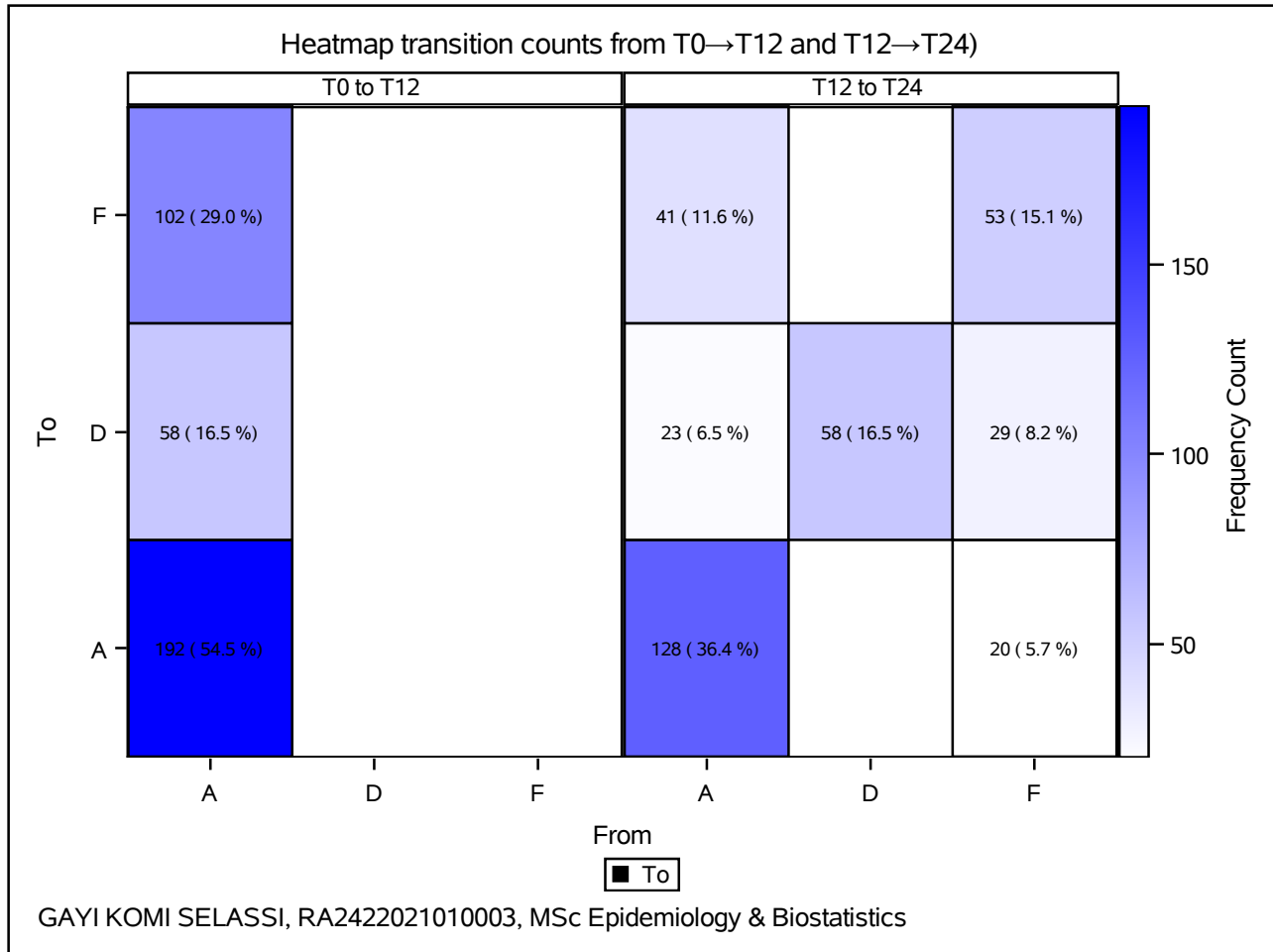ID   : RA2422021010003

Program : MSc Epidemiology & Biostatistics

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1. Transition Table from T0 to T12: Count (Proportion):

The FREQ Procedure

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

2. Transition Table from T12 to T24: Count (Proportion):

The FREQ Procedure

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

3. Heatmap Flow of patients between states (transition counts and overall percent from T0 to T12 and T12 to T24):

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

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percentage displayed are overall percentage and not row percent:

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
2	N	22	23	12	57
	ColPctN	11.70	40.35	12.00	16.52
tumrtyp					
Esophageal/GEJ/Gastric	N	15	3	10	28
	ColPctN	7.98	5.26	10.00	8.12
Hepatic/Biliary/Pancreatic/Unknown primary	N	52	23	35	110
	ColPctN	27.66	40.35	35.00	31.88
Lung	N	121	31	55	207
	ColPctN	64.36	54.39	55.00	60.00
arm					
1	N	90	25	51	166
	ColPctN	47.87	43.86	51.00	48.12
2	N	98	32	49	179
	ColPctN	52.13	56.14	49.00	51.88
ptmargstat					
Divorced	N	21	9	19	49
	ColPctN	11.17	15.79	19.00	14.20
Domestic partnership	N	3	1	3	7
	ColPctN	1.60	1.75	3.00	2.03

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

Baseline Characteristics by attrition status at Week 12		state_t12			
		A	D	F	All
ptmargstat					
Married	N	120	32	56	208
	ColPctN	63.83	56.14	56.00	60.29
Never married	N	18	6	7	31
	ColPctN	9.57	10.53	7.00	8.99
Separated	N	2	.	6	8
	ColPctN	1.06	.	6.00	2.32
Widowed	N	24	9	9	42
	ColPctN	12.77	15.79	9.00	12.17
race1					
Asian	N	8	2	4	14
	ColPctN	4.26	3.51	4.00	4.06
Black or African American	N	21	6	13	40
	ColPctN	11.17	10.53	13.00	11.59
Other	N	7	2	12	21
	ColPctN	3.72	3.51	12.00	6.09
White	N	152	47	71	270
	ColPctN	80.85	82.46	71.00	78.26

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 T0â†'T12 and T12â†'T24)

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

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