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1 . use "/Users/ccs/Desktop/Econ Under/GRE.dta"
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2 . summarize gre gpa
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Variable	Obs	Mean	Std. Dev.	Min	Max
gre	400	587.7	115.5165	220	800
gpa	400	3.3899	.3805668	2.26	4

```
3 . tab rank
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rank	Freq.	Percent	Cum.
1	61	15.25	15.25
2	151	37.75	53.00
3	121	30.25	83.25
4	67	16.75	100.00
Total	400	100.00	

```
4 . tab admit
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admit	Freq.	Percent	Cum.
0	273	68.25	68.25
1	127	31.75	100.00
Total	400	100.00	

```
5 . tab admit rank
```

admit	rank				Total
	1	2	3	4	
0	28	97	93	55	273
1	33	54	28	12	127
Total	61	151	121	67	400

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6 .
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7 .
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8 . regress admit gre gpa i.rank
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Source	SS	df	MS	Number of obs =	400
Model	8.70247579	5	1.74049516	F( 5, 394) =	8.79
Residual	77.9750242	394	.197906153	Prob > F =	0.0000
Total	86.6775	399	.217236842	R-squared =	0.1004
				Adj R-squared =	0.0890
				Root MSE =	.44487

admit	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gre	.0004296	.0002107	2.04	0.042	.0000153	.0008439
gpa	.155535	.0639618	2.43	0.015	.0297859	.2812842
rank						

2	-.1623653	.0677145	-2.40	0.017	-.2954922	-.0292385
3	-.2905705	.0702453	-4.14	0.000	-.428673	-.1524679
4	-.3230264	.0793164	-4.07	0.000	-.4789626	-.1670902
_cons	-.2589103	.2159904	-1.20	0.231	-.6835481	.1657275

9 . logit admit gre gpa i.rank

Iteration 0: log likelihood = -249.98826  
 Iteration 1: log likelihood = -229.66446  
 Iteration 2: log likelihood = -229.25955  
 Iteration 3: log likelihood = -229.25875  
 Iteration 4: log likelihood = -229.25875

Logistic regression	Number of obs	=	400
	LR chi2(5)	=	41.46
	Prob > chi2	=	0.0000
Log likelihood = -229.25875	Pseudo R2	=	0.0829

admit	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
gre	.0022644	.001094	2.07	0.038	.0001202	.0044086
gpa	.8040377	.3318193	2.42	0.015	.1536838	1.454392
rank						
2	-.6754429	.3164897	-2.13	0.033	-1.295751	-.0551346
3	-1.340204	.3453064	-3.88	0.000	-2.016992	-.6634158
4	-1.551464	.4178316	-3.71	0.000	-2.370399	-.7325287
_cons	-3.989979	1.139951	-3.50	0.000	-6.224242	-1.755717

10 . probit admit gre gpa i.rank

Iteration 0: log likelihood = -249.98826  
 Iteration 1: log likelihood = -229.29667  
 Iteration 2: log likelihood = -229.20659  
 Iteration 3: log likelihood = -229.20658

Probit regression	Number of obs	=	400
	LR chi2(5)	=	41.56
	Prob > chi2	=	0.0000
Log likelihood = -229.20658	Pseudo R2	=	0.0831

admit	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
gre	.0013756	.0006489	2.12	0.034	.0001038	.0026473
gpa	.4777302	.1954625	2.44	0.015	.0946308	.8608297
rank						
2	-.4153992	.1953769	-2.13	0.033	-.7983308	-.0324675
3	-.812138	.2085956	-3.89	0.000	-1.220978	-.4032981
4	-.935899	.2456339	-3.81	0.000	-1.417333	-.4544654
_cons	-2.386838	.6740879	-3.54	0.000	-3.708026	-1.065649

