PUAD 661- Foundations of Program Evaluation

Problem Set #4

Table 1: Data Dictionary

Variable name	Definition
train	Dummy variable for training participation 1=participated in training 0=did not participate in training
unemp	Dummy variable indicating unemployment for a full year following training 1=unemployed 0=employed
age	Age in years
educ	Years of education completed
married	Dummy variable indicating marital status 1=married 0=not married

Table 2: Results from t-tests

Group Statistics

	train	N	Mean	Std. Deviation	Std. Error Mean
age	1	185	25.82	7.155	.526
	0	260	25.05	7.058	.438
educ	1	185	10.35	2.011	.148
	0	260	10.09	1.614	.100
married	1	185	.19	.393	.029
	0	260	.15	.361	.022

PUAD 661- Foundations of Program Evaluation

Problem Set #4

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
age	Equal variances assumed	1.117	443	.265	.762	.683	-.579	2.104
	Equal variances not assumed	1.114	393.109	.266	.762	.684	-.583	2.108
educ	Equal variances assumed	1.496	443	.135	.257	.172	-.081	.596
	Equal variances not assumed	1.442	340.597	.150	.257	.179	-.094	.609
married	Equal variances assumed	.980	443	.327	.035	.036	-.036	.106
	Equal variances not assumed	.967	375.723	.334	.035	.037	-.037	.107

PUAD 661- Foundations of Program Evaluation

Problem Set #4

Table 3: Results from t-tests

Group Statistics

	train	N	Mean	Std. Deviation	Std. Error Mean
unemp	1	185	.24	.430	.032
	0	260	.35	.479	.030

Independent Samples Test

		t-test for Equality of Means						
							95% Confidence Interval of the Difference	
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
unemp	Equal variances assumed	-2.503	443	.013	-.111	.044	-.197	-.024
	Equal variances not assumed	-2.549	419.785	.011	-.111	.043	-.196	-.025