

## Appendix V Test for the Predictability of the Regression Models

### Regression Summary

#### Tdiff vs. Pred-Tdiff

Count	102
Num. Missing	0
R	.896
R Squared	.804
Adjusted R Squared	.802
RMS Residual	4.442

### ANOVA Table

#### Tdiff vs. Pred-Tdiff

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	8072.427	8072.427	409.198	<.0001
Residual	100	1972.742	19.727		
Total	101	10045.170			

### Regression Coefficients

#### Tdiff vs. Pred-Tdiff

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	2.196	.740	2.196	2.969	.0037
Pred-Tdiff	.829	.041	.896	20.229	<.0001

Figure V-1 Regression output for C1-1's predictability

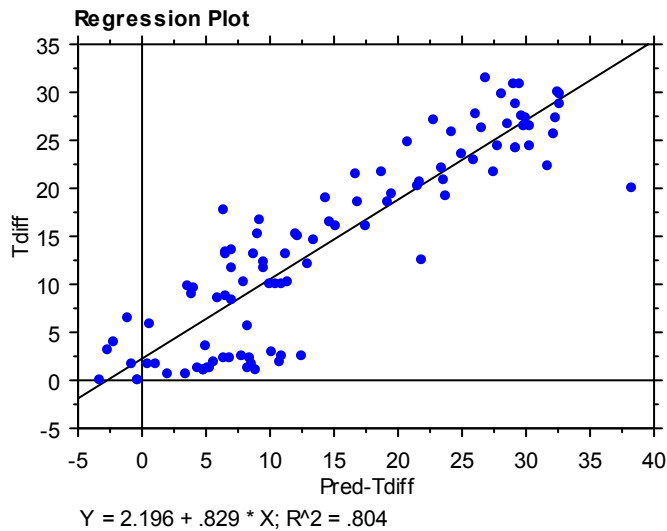


Figure V-2 Plot of the regression output for C1-1's predictability

**Regression Summary**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Pred-C1-2-(Sep16-19).svd**

Count	44
Num. Missing	0
R	.699
R Squared	.488
Adjusted R Squared	.476
RMS Residual	9.680

**ANOVA Table**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Pred-C1-2-(Sep16-19).svd**

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	3752.482	3752.482	40.048	<.0001
Residual	42	3935.360	93.699		
Total	43	7687.842			

**Regression Coefficients**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Pred-C1-2-(Sep16-19).svd**

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	-5.179	3.145	-5.179	-1.647	.1071
Pred-Tdiff	1.229	.194	.699	6.328	<.0001

Figure V-3 Regression output for C1-2's predictability

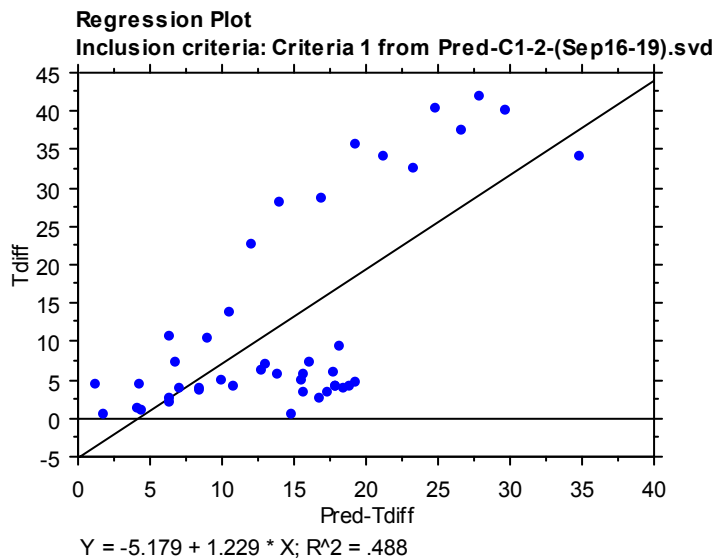


Figure V-4 Plot of the regression output for C1-2's predictability

**Regression Summary**

**Tdiff vs. Tdiff-Pred**

Count	188
Num. Missing	0
R	.806
R Squared	.649
Adjusted R Squared	.648
RMS Residual	5.776

**ANOVA Table**

**Tdiff vs. Tdiff-Pred**

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	11497.436	11497.436	344.578	<.0001
Residual	186	6206.201	33.367		
Total	187	17703.637			

**Regression Coefficients**

**Tdiff vs. Tdiff-Pred**

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	.980	1.094	.980	.896	.3714
Tdiff-Pred	.365	.020	.806	18.563	<.0001

Figure V-5 Regression output for C1-3's predictability

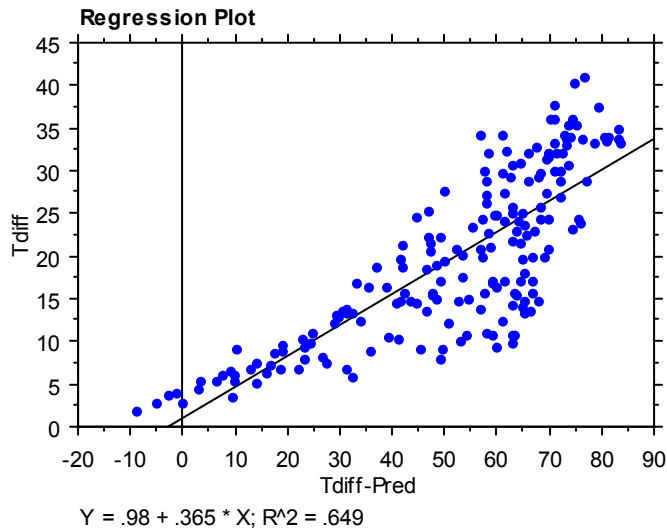


Figure V-6 Plot of the regression output for C1-3's predictability

**Regression Summary**

**Tdiff vs. Pred-Tdiff**

Count	83
Num. Missing	0
R	.909
R Squared	.826
Adjusted R Squared	.824
RMS Residual	12.111

**ANOVA Table**

**Tdiff vs. Pred-Tdiff**

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	56413.572	56413.572	384.591	<.0001
Residual	81	11881.456	146.685		
Total	82	68295.028			

**Regression Coefficients**

**Tdiff vs. Pred-Tdiff**

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	9.746	2.490	9.746	3.914	.0002
Pred-Tdiff	1.092	.056	.909	19.611	<.0001

Figure V-7 Regression output for C2-1's predictability

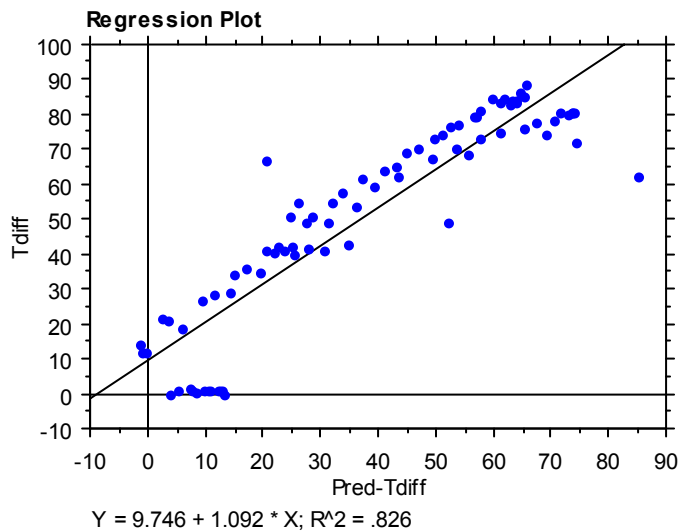


Figure V-8 Plot of the regression output for C2-1's predictability

**Regression Summary**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Sheet1 (imported)**

Count	76
Num. Missing	0
R	.831
R Squared	.691
Adjusted R Squared	.687
RMS Residual	16.850

**ANOVA Table**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Sheet1 (imported)**

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	47036.690	47036.690	165.661	<.0001
Residual	74	21011.091	283.934		
Total	75	68047.781			

**Regression Coefficients**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Sheet1 (imported)**

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	-15.679	3.798	-.15.679	-4.128	<.0001
Pred-Tdiff	1.376	.107	.831	12.871	<.0001

Figure V-9 Regression output for C2-2's predictability

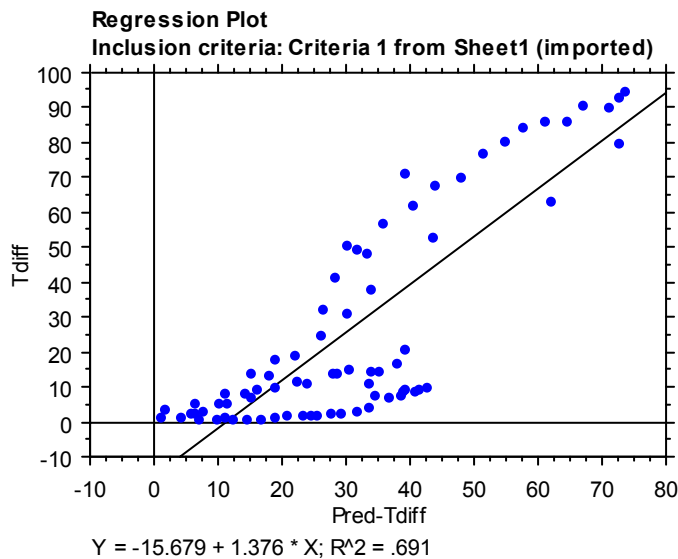


Figure V-10 Plot of the regression output for C2-2's predictability

**Regression Summary****Tdiff vs. Pred-Tdiff**

Count	129
Num. Missing	0
R	.843
R Squared	.711
Adjusted R Squared	.709
RMS Residual	11.046

**ANOVA Table****Tdiff vs. Pred-Tdiff**

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	38110.898	38110.898	312.327	<.0001
Residual	127	15496.865	122.023		
Total	128	53607.762			

**Regression Coefficients****Tdiff vs. Pred-Tdiff**

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	-3.521	2.685	-3.521	-1.311	.1921
Pred-Tdiff	.861	.049	.843	17.673	<.0001

Figure V-11 Regression output for C2-3's predictability

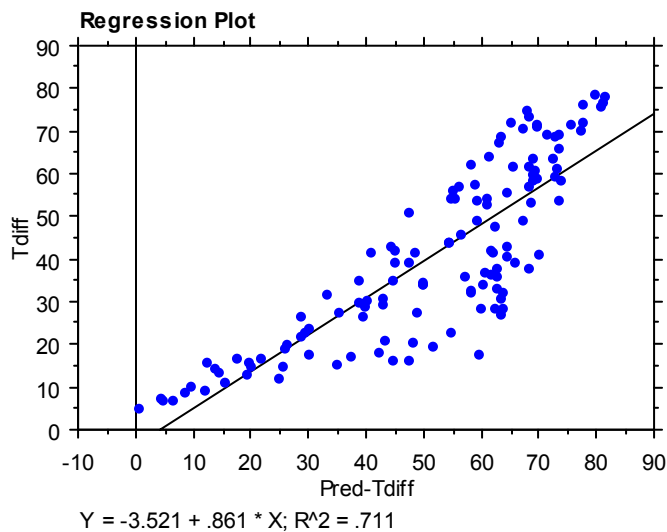


Figure V-12 Plot of the regression output for C2-3's predictability

**Regression Summary****Tdiff vs. Pred-Tdiff**

Count	91
Num. Missing	0
R	.912
R Squared	.832
Adjusted R Squared	.830
RMS Residual	13.459

**ANOVA Table**

**Tdiff vs. Pred-Tdiff**

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	79850.300	79850.300	440.788	<.0001
Residual	89	16122.679	181.154		
Total	90	95972.980			

**Regression Coefficients**

**Tdiff vs. Pred-Tdiff**

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	.726	2.574	.726	.282	.7784
Pred-Tdiff	1.251	.060	.912	20.995	<.0001

Figure V-13 Regression output for C3-1's predictability

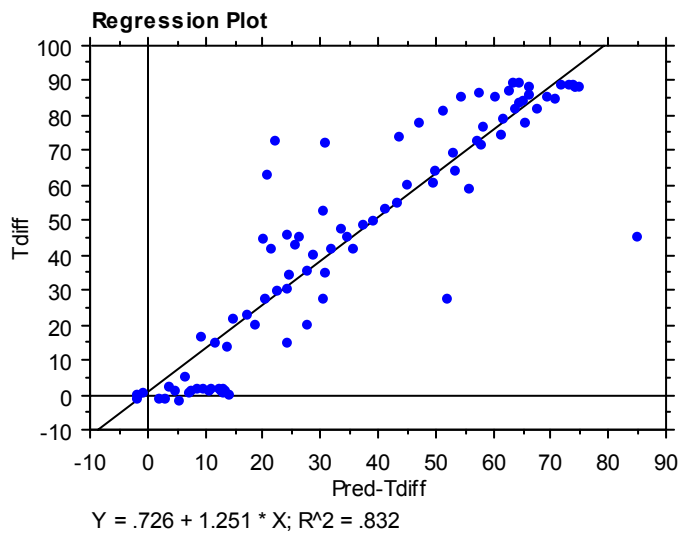


Figure V-14 Plot of the regression output for C3-1's predictability

**Regression Summary**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Sheet1 (imported)**

Count	74
Num. Missing	0
R	.783
R Squared	.614
Adjusted R Squared	.608
RMS Residual	17.185

**ANOVA Table**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Sheet1 (imported)**

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	33762.329	33762.329	114.326	<.0001
Residual	72	21262.716	295.316		
Total	73	55025.045			

**Regression Coefficients**

**Tdiff vs. Pred-Tdiff**

**Inclusion criteria: Criteria 1 from Sheet1 (imported)**

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	-13.553	3.845	-.13	-3.524	.0007
Pred-Tdiff	1.262	.118	.783	10.692	<.0001

Figure V-15 Regression output for C3-2's predictability

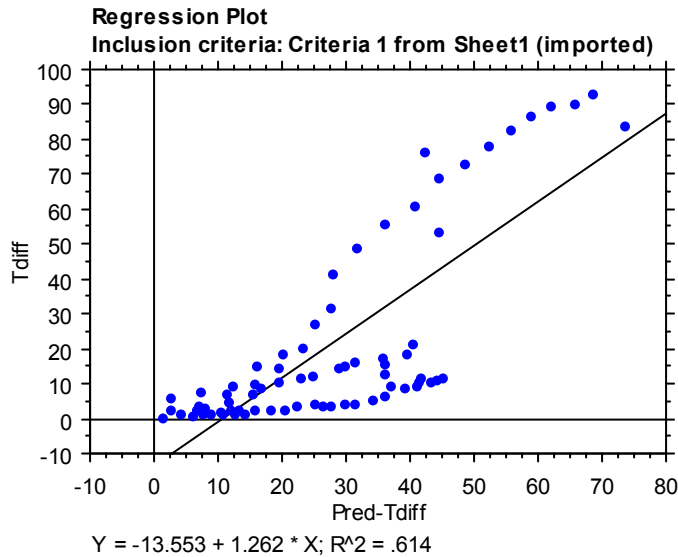


Figure V-16 Plot of the regression output for C3-2's predictability

**Regression Summary**

**Tdiff vs. Pred-Tdiff**

Count	131
Num. Missing	0
R	.835
R Squared	.697
Adjusted R Squared	.695
RMS Residual	11.165

**ANOVA Table**

**Tdiff vs. Pred-Tdiff**

	DF	Sum of Squares	Mean Square	F-Value	P-Value
Regression	1	37063.747	37063.747	297.307	<.0001
Residual	129	16081.789	124.665		
Total	130	53145.536			

**Regression Coefficients**

**Tdiff vs. Pred-Tdiff**

	Coefficient	Std. Error	Std. Coeff.	t-Value	P-Value
Intercept	-.437	2.549	-.171	-.171	.8643
Pred-Tdiff	.810	.047	.835	17.243	<.0001

Figure V-17 Regression output for C3-3's predictability



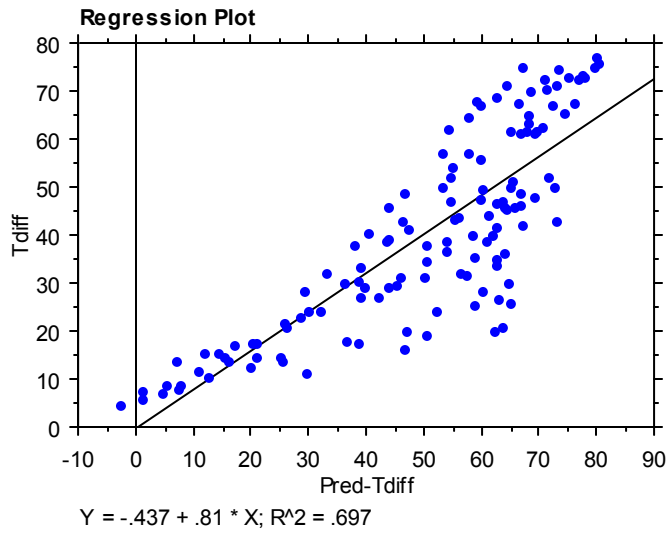


Figure V-18 Plot of the regression output for C3-3's predictability