

SUPPLEMENTARY MATERIAL

Model 1

```
summary(lm(C_post ~ C_pre + K_pre + E, data = data_combined_5))
```

Call:

```
lm(formula = C_post ~ C_pre + K_pre + E, data = data_combined_5)
```

Residuals:

Min	1Q	Median	3Q	Max
-2.4027	-0.7455	0.1452	0.7525	1.6480

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-0.24710	0.47123	-0.524	0.6048
C_pre	0.25778	0.19090	1.350	0.1895
K_pre	-0.09938	0.20300	-0.490	0.6289
E	0.53613	0.18324	2.926	0.0074 **

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 1.09 on 24 degrees of freedom

Multiple R-squared: 0.3269, Adjusted R-squared: 0.2427

F-statistic: 3.885 on 3 and 24 DF, p-value: 0.02142

Model 2

```
summary(lm(C_post ~ C_pre + K_pre, data = data_combined_5))
```

Call:

```
lm(formula = C_post ~ C_pre + K_pre, data = data_combined_5)
```

Residuals:

Min	1Q	Median	3Q	Max
-3.7482	-0.4968	0.1303	0.8708	2.2685

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	0.07382	0.52301	0.141	0.889
C_pre	0.30460	0.21710	1.403	0.173
K_pre	0.09766	0.21855	0.447	0.659

Residual standard error: 1.244 on 25 degrees of freedom

Multiple R-squared: 0.08679, Adjusted R-squared: 0.01373

F-statistic: 1.188 on 2 and 25 DF, p-value: 0.3215

Model 3

```
summary(lm(C_post ~ C_pre + E, data = data_combined_5))
```

Call:

```
lm(formula = C_post ~ C_pre + E, data = data_combined_5)
```

Residuals:

Min	1Q	Median	3Q	Max
-2.41553	-0.69262	0.06502	0.76493	1.61075

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-0.0803	0.3206	-0.250	0.80425
C_pre	0.2487	0.1871	1.329	0.19569
E	0.5064	0.1702	2.975	0.00641 **

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 1.073 on 25 degrees of freedom

Multiple R-squared: 0.3201, Adjusted R-squared: 0.2658

F-statistic: 5.886 on 2 and 25 DF, p-value: 0.008038

Model 4

```
summary(lm(C_post ~ K_pre + E, data = data_combined_5))
```

Call:

```
lm(formula = C_post ~ K_pre + E, data = data_combined_5)
```

Residuals:

Min	1Q	Median	3Q	Max
-2.1980	-0.7626	0.1396	0.5639	1.8497

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-0.5383	0.4258	-1.264	0.21781
K_pre	-0.0729	0.2054	-0.355	0.72556
E	0.5569	0.1856	3.001	0.00603 **

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 1.107 on 25 degrees of freedom

Multiple R-squared: 0.2757, Adjusted R-squared: 0.2178
F-statistic: 4.759 on 2 and 25 DF, p-value: 0.01773

Model 5

```
summary(lm(K_post ~ K_pre + C_pre + E, data = data_combined_5))
```

Call:

```
lm(formula = K_post ~ K_pre + C_pre + E, data = data_combined_5)
```

Residuals:

Min	1Q	Median	3Q	Max
-1.7988	-0.5051	0.1550	0.5824	1.7337

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-0.17106	0.39808	-0.430	0.671
K_pre	0.34897	0.17149	2.035	0.053 .
C_pre	-0.17980	0.16127	-1.115	0.276
E	-0.04486	0.15480	-0.290	0.774

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.9206 on 24 degrees of freedom
Multiple R-squared: 0.1747, Adjusted R-squared: 0.07154
F-statistic: 1.693 on 3 and 24 DF, p-value: 0.195

Model 6

```
summary(lm(K_post ~ K_pre + C_pre, data = data_combined_5))
```

Call:

```
lm(formula = K_post ~ K_pre + C_pre, data = data_combined_5)
```

Residuals:

Min	1Q	Median	3Q	Max
-1.8284	-0.5144	0.1444	0.5699	1.7432

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-0.1979	0.3800	-0.521	0.6071
K_pre	0.3325	0.1588	2.094	0.0466 *
C_pre	-0.1837	0.1577	-1.165	0.2551

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.9035 on 25 degrees of freedom
Multiple R-squared: 0.1718, Adjusted R-squared: 0.1056
F-statistic: 2.593 on 2 and 25 DF, p-value: 0.09476

Model 7

```
summary(lm(K_post ~ K_pre + E, data = data_combined_5))
```

Call:
lm(formula = K_post ~ K_pre + E, data = data_combined_5)

Residuals:
Min 1Q Median 3Q Max
-1.90431 -0.26010 0.03204 0.60897 1.61382

Coefficients:
Estimate Std. Error t value Pr(>|t|)
(Intercept) 0.03207 0.35565 0.090 0.9289
K_pre 0.33050 0.17151 1.927 0.0654 .
E -0.05933 0.15500 -0.383 0.7051

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.925 on 25 degrees of freedom
Multiple R-squared: 0.132, Adjusted R-squared: 0.06252
F-statistic: 1.9 on 2 and 25 DF, p-value: 0.1705

Model 8

```
> summary(lm(K_post ~ C_pre + E, data = data_combined_5))
```

Call:
lm(formula = K_post ~ C_pre + E, data = data_combined_5)

Residuals:
Min 1Q Median 3Q Max
-2.19768 -0.67086 0.09954 0.65496 1.50530

Coefficients:
Estimate Std. Error t value Pr(>|t|)
(Intercept) -0.75673 0.29179 -2.593 0.0157 *
C_pre -0.14809 0.17030 -0.870 0.3928

E 0.05965 0.15494 0.385 0.7035

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.9767 on 25 degrees of freedom

Multiple R-squared: 0.0323, Adjusted R-squared: -0.04512

F-statistic: 0.4172 on 2 and 25 DF, p-value: 0.6634