**DATA X2**

**Non-Opt MODEL:**

Call:

lm(formula = rsaModel ~ workerData)

Residuals:

Min 1Q Median 3Q Max

-0.32457 -0.15218 -0.03244 0.16917 0.31938

Coefficients:

Estimate Std. Error t value Pr(>|t|)

**(Intercept) -0.02909 0.03340 -0.871 0.386**

**workerData 1.06154 0.05561 19.090 <2e-16 \*\*\***

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1809 on 105 degrees of freedom

Multiple R-squared: 0.7763, Adjusted R-squared: 0.7742

F-statistic: 364.4 on 1 and 105 DF, p-value: < 2.2e-16

> confint(model)

2.5 % 97.5 %

(Intercept) -0.09530911 0.03712478

workerData 0.95127626 1.17179805

**Parameter 2 Model:**

Call:

lm(formula = rsaModel ~ workerData)

Residuals:

Min 1Q Median 3Q Max

-0.112596 -0.032162 0.001163 0.027502 0.107936

Coefficients:

Estimate Std. Error t value Pr(>|t|)

**(Intercept) -0.0003449 0.0078275 -0.044 0.965**

**workerData 1.0053492 0.0130339 77.134 <2e-16 \*\*\***

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.0424 on 105 degrees of freedom

Multiple R-squared: 0.9827, Adjusted R-squared: 0.9825

F-statistic: 5950 on 1 and 105 DF, p-value: < 2.2e-16

> confint(model)

**2.5 % 97.5 %**

**(Intercept) -0.0158653 0.01517551**

**workerData 0.9795054 1.03119293**

**Parameter12 Model:**

Call:

lm(formula = rsaModel2 ~ workerData)

Residuals:

Min 1Q Median 3Q Max

-0.113077 -0.026777 0.004362 0.028541 0.121736

Coefficients:

Estimate Std. Error t value Pr(>|t|)

**(Intercept) 0.009467 0.008335 1.136 0.259**

**workerData 0.986170 0.013879 71.053 <2e-16 \*\*\***

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.04515 on 105 degrees of freedom

Multiple R-squared: 0.9796, Adjusted R-squared: 0.9794

F-statistic: 5049 on 1 and 105 DF, p-value: < 2.2e-16

> confint(model)

2.5 % 97.5 %

(Intercept) -0.007059747 0.02599468

workerData 0.958650215 1.01369067

**Parameter123 Model:**

Call:

lm(formula = rsaModel2 ~ workerData)

Residuals:

Min 1Q Median 3Q Max

-0.071349 -0.016274 -0.001431 0.016122 0.100201

Coefficients:

Estimate Std. Error t value Pr(>|t|)

**(Intercept) -0.003532 0.005498 -0.642 0.522**

**workerData 1.011578 0.009156 110.486 <2e-16 \*\*\***

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.02978 on 105 degrees of freedom

Multiple R-squared: 0.9915, Adjusted R-squared: 0.9914

F-statistic: 1.221e+04 on 1 and 105 DF, p-value: < 2.2e-16

> confint(model)

2.5 % 97.5 %

(Intercept) -0.01443404 0.007370751

workerData 0.99342377 1.029731924

**DATA X4**

**Non-Opt Model:**

Call:

lm(formula = rsaModel ~ workerData)

Residuals:

Min 1Q Median 3Q Max

-0.27886 -0.12988 -0.05462 0.14492 0.28424

Coefficients:

Estimate Std. Error t value Pr(>|t|)

**(Intercept) -0.05402 0.02177 -2.481 0.014 \***

**workerData 1.10864 0.03778 29.341 <2e-16 \*\*\***

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.1502 on 190 degrees of freedom

Multiple R-squared: 0.8192, Adjusted R-squared: 0.8182

F-statistic: 860.9 on 1 and 190 DF, p-value: < 2.2e-16

> confint(model)

2.5 % 97.5 %

(Intercept) -0.09696401 -0.0110679

workerData 1.03410557 1.1831681

**Parameter2 Model: X4**

Call:

lm(formula = rsaModel ~ workerData)

Residuals:

Min 1Q Median 3Q Max

-0.201624 -0.028515 -0.006722 0.030995 0.201071

Coefficients:

Estimate Std. Error t value Pr(>|t|)

**(Intercept) -0.006170 0.008707 -0.709 0.479**

**workerData 1.012892 0.015109 67.037 <2e-16 \*\*\***

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.06007 on 190 degrees of freedom

Multiple R-squared: 0.9594, Adjusted R-squared: 0.9592

F-statistic: 4494 on 1 and 190 DF, p-value: < 2.2e-16

> confint(model)

2.5 % 97.5 %

(Intercept) -0.02334391 0.01100449

workerData 0.98308830 1.04269587

**Parameter12 Model: X4**

Call:

lm(formula = rsaModel2 ~ workerData)

Residuals:

Min 1Q Median 3Q Max

-0.115730 -0.022595 0.002336 0.019344 0.115200

Coefficients:

Estimate Std. Error t value Pr(>|t|)

**(Intercept) 0.014136 0.005230 2.703 0.0075 \*\***

**workerData 0.972258 0.009076 107.123 <2e-16 \*\*\***

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.03608 on 190 degrees of freedom

Multiple R-squared: 0.9837, Adjusted R-squared: 0.9836

F-statistic: 1.148e+04 on 1 and 190 DF, p-value: < 2.2e-16

> confint(model)

2.5 % 97.5 %

(Intercept) 0.003819789 0.02445259

workerData 0.954355224 0.99016101

**Parameter123 Model: X4**

Call:

lm(formula = rsaModel2 ~ workerData)

Residuals:

Min 1Q Median 3Q Max

-0.081074 -0.017680 0.002855 0.016800 0.080534

Coefficients:

Estimate Std. Error t value Pr(>|t|)

**(Intercept) 0.005051 0.004118 1.227 0.221**

**workerData 0.990438 0.007146 138.604 <2e-16 \*\*\***

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.02841 on 190 degrees of freedom

Multiple R-squared: 0.9902, Adjusted R-squared: 0.9902

F-statistic: 1.921e+04 on 1 and 190 DF, p-value: < 2.2e-16

> confint(model)

2.5 % 97.5 %

(Intercept) -0.003070992 0.01317358

workerData 0.976342570 1.00453309