summary(singleVar1)

Call:

lm(formula = log10(NLS) ~ neg05\_PV)

Residuals:

Min 1Q Median 3Q Max

-1.8149 -0.4213 0.0374 0.4693 1.5583

Coefficients:

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

(Intercept) 2.8131 0.2239 12.564 < 2e-16 \*\*\*

neg05\_PV -4.3964 0.7024 -6.259 1.11e-08 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6656 on 95 degrees of freedom

Multiple R-squared: 0.292, Adjusted R-squared: 0.2845

F-statistic: 39.18 on 1 and 95 DF, p-value: 1.111e-08

> summary(singleVar2)

Call:

lm(formula = log10(NLS) ~ L\_CumVol)

Residuals:

Min 1Q Median 3Q Max

-1.49366 -0.42732 -0.01025 0.43779 1.58787

Coefficients:

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

(Intercept) -2.2856 0.6690 -3.417 0.000935 \*\*\*

L\_CumVol 0.6327 0.1119 5.655 1.64e-07 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6842 on 95 degrees of freedom

Multiple R-squared: 0.2518, Adjusted R-squared: 0.244

F-statistic: 31.98 on 1 and 95 DF, p-value: 1.636e-07

> summary(singleVar3)

Call:

lm(formula = log10(NLS) ~ PPH)

Residuals:

Min 1Q Median 3Q Max

-1.73608 -0.41168 0.01989 0.36828 2.41354

Coefficients:

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

(Intercept) 0.5770487 0.2334249 2.472 0.0152 \*

PPH 0.0010528 0.0002589 4.066 9.87e-05 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.7301 on 95 degrees of freedom

Multiple R-squared: 0.1482, Adjusted R-squared: 0.1392

F-statistic: 16.53 on 1 and 95 DF, p-value: 9.874e-05

> summary(singleVar3.1)

Call:

lm(formula = log10(NLS) ~ PPH\_altered)

Residuals:

Min 1Q Median 3Q Max

-1.68831 -0.40961 0.03606 0.36913 2.44445

Coefficients:

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

(Intercept) 0.6397877 0.2124215 3.012 0.00333 \*\*

PPH\_altered 0.0009524 0.0002266 4.203 5.96e-05 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.7264 on 95 degrees of freedom

Multiple R-squared: 0.1568, Adjusted R-squared: 0.1479

F-statistic: 17.66 on 1 and 95 DF, p-value: 5.962e-05

> summary(singleVar20)

Call:

lm(formula = log10(NLS) ~ L\_IPV)

Residuals:

Min 1Q Median 3Q Max

-1.56578 -0.42550 -0.04074 0.41062 1.73238

Coefficients:

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

(Intercept) -0.3600 0.3273 -1.100 0.274

L\_IPV 1.2123 0.2111 5.742 1.12e-07 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6816 on 95 degrees of freedom

Multiple R-squared: 0.2576, Adjusted R-squared: 0.2498

F-statistic: 32.97 on 1 and 95 DF, p-value: 1.118e-07

> summary(singleVar21)

Call:

lm(formula = log10(NLS) ~ L\_PF)

Residuals:

Min 1Q Median 3Q Max

-1.53300 -0.37746 0.03308 0.50737 1.56049

Coefficients:

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

(Intercept) -1.54471 0.45034 -3.430 0.000894 \*\*\*

L\_PF 0.65128 0.09602 6.783 9.98e-10 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6493 on 95 degrees of freedom

Multiple R-squared: 0.3263, Adjusted R-squared: 0.3192

F-statistic: 46.01 on 1 and 95 DF, p-value: 9.982e-10

> summary(singleVar4)

Call:

lm(formula = log10(start\_ElectricActivity) ~ neg05\_PV)

Residuals:

Min 1Q Median 3Q Max

-5.6401 0.0418 0.3348 0.7331 1.4595

Coefficients:

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

(Intercept) 1.675 0.517 3.239 0.00165 \*\*

neg05\_PV -2.862 1.622 -1.765 0.08080 .

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.537 on 95 degrees of freedom

Multiple R-squared: 0.03175, Adjusted R-squared: 0.02155

F-statistic: 3.115 on 1 and 95 DF, p-value: 0.0808

> summary(singleVar5)

Call:

lm(formula = log10(start\_ElectricActivity) ~ L\_CumVol)

Residuals:

Min 1Q Median 3Q Max

-5.4334 0.0127 0.3565 0.7486 1.5075

Coefficients:

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

(Intercept) -2.2114 1.4952 -1.479 0.1424

L\_CumVol 0.5072 0.2501 2.028 0.0453 \*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.529 on 95 degrees of freedom

Multiple R-squared: 0.04151, Adjusted R-squared: 0.03142

F-statistic: 4.114 on 1 and 95 DF, p-value: 0.04533

> summary(singleVar6)

Call:

lm(formula = log10(start\_ElectricActivity) ~ PPH)

Residuals:

Min 1Q Median 3Q Max

-5.6128 0.0754 0.3875 0.6402 1.4256

Coefficients:

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

(Intercept) 0.1353779 0.4941278 0.274 0.785

PPH 0.0007831 0.0005482 1.429 0.156

Residual standard error: 1.545 on 95 degrees of freedom

Multiple R-squared: 0.02103, Adjusted R-squared: 0.01073

F-statistic: 2.041 on 1 and 95 DF, p-value: 0.1564

> summary(singleVar6.1)

Call:

lm(formula = log10(start\_ElectricActivity) ~ PPH\_altered)

Residuals:

Min 1Q Median 3Q Max

-5.5823 0.0735 0.3498 0.6586 1.4360

Coefficients:

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

(Intercept) 0.1621194 0.4513270 0.359 0.720

PPH\_altered 0.0007311 0.0004815 1.518 0.132

Residual standard error: 1.543 on 95 degrees of freedom

Multiple R-squared: 0.02369, Adjusted R-squared: 0.01342

F-statistic: 2.305 on 1 and 95 DF, p-value: 0.1322

> summary(singleVar22)

Call:

lm(formula = log10(start\_ElectricActivity) ~ L\_IPV)

Residuals:

Min 1Q Median 3Q Max

-5.1589 -0.1096 0.3285 0.7219 2.3140

Coefficients:

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

(Intercept) -1.4023 0.7135 -1.966 0.05228 .

L\_IPV 1.4565 0.4602 3.165 0.00208 \*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.486 on 95 degrees of freedom

Multiple R-squared: 0.09539, Adjusted R-squared: 0.08587

F-statistic: 10.02 on 1 and 95 DF, p-value: 0.002084

> summary(singleVar23)

Call:

lm(formula = log10(start\_ElectricActivity) ~ L\_PF)

Residuals:

Min 1Q Median 3Q Max

-5.4605 0.0412 0.3715 0.7426 1.5929

Coefficients:

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

(Intercept) -1.3743 1.0595 -1.297 0.1978

L\_PF 0.4697 0.2259 2.079 0.0403 \*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1.528 on 95 degrees of freedom

Multiple R-squared: 0.04352, Adjusted R-squared: 0.03345

F-statistic: 4.322 on 1 and 95 DF, p-value: 0.04031

> summary(singleVar7)

Call:

lm(formula = log10(ltgAll + 0.1) ~ neg05\_PV)

Residuals:

Min 1Q Median 3Q Max

-1.4742 -0.2309 0.1863 0.4293 1.1699

Coefficients:

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

(Intercept) 1.187 0.219 5.419 4.52e-07 \*\*\*

neg05\_PV -3.139 0.687 -4.569 1.47e-05 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6511 on 95 degrees of freedom

Multiple R-squared: 0.1802, Adjusted R-squared: 0.1715

F-statistic: 20.88 on 1 and 95 DF, p-value: 1.471e-05

> summary(singleVar8)

Call:

lm(formula = log10(ltgAll + 0.1) ~ L\_CumVol)

Residuals:

Min 1Q Median 3Q Max

-1.7410 -0.3155 0.1177 0.3934 1.4197

Coefficients:

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

(Intercept) -2.7864 0.6303 -4.421 2.61e-05 \*\*\*

L\_CumVol 0.5077 0.1054 4.816 5.52e-06 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6447 on 95 degrees of freedom

Multiple R-squared: 0.1963, Adjusted R-squared: 0.1878

F-statistic: 23.2 on 1 and 95 DF, p-value: 5.516e-06

> summary(singleVar9)

Call:

lm(formula = log10(ltgAll + 0.1) ~ PPH)

Residuals:

Min 1Q Median 3Q Max

-1.4714 -0.2616 0.1230 0.4235 1.2892

Coefficients:

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

(Intercept) -0.4100607 0.2191247 -1.871 0.06437 .

PPH 0.0007522 0.0002431 3.094 0.00259 \*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6854 on 95 degrees of freedom

Multiple R-squared: 0.09157, Adjusted R-squared: 0.08201

F-statistic: 9.576 on 1 and 95 DF, p-value: 0.00259

> summary(singleVar9.1)

Call:

lm(formula = log10(ltgAll + 0.1) ~ PPH\_altered)

Residuals:

Min 1Q Median 3Q Max

-1.6597 -0.2367 0.1277 0.4359 1.3126

Coefficients:

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

(Intercept) -0.3432580 0.2006045 -1.711 0.09032 .

PPH\_altered 0.0006555 0.0002140 3.063 0.00285 \*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.686 on 95 degrees of freedom

Multiple R-squared: 0.08987, Adjusted R-squared: 0.08029

F-statistic: 9.38 on 1 and 95 DF, p-value: 0.002853

> summary(singleVar24)

Call:

lm(formula = log10(ltgAll + 0.1) ~ L\_IPV)

Residuals:

Min 1Q Median 3Q Max

-1.3948 -0.3026 0.1107 0.4505 1.3768

Coefficients:

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

(Intercept) -1.0805 0.3166 -3.413 0.000947 \*\*\*

L\_IPV 0.8667 0.2042 4.244 5.1e-05 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.6593 on 95 degrees of freedom

Multiple R-squared: 0.1594, Adjusted R-squared: 0.1505

F-statistic: 18.01 on 1 and 95 DF, p-value: 5.104e-05

> summary(singleVar25)

Call:

lm(formula = log10(ltgAll + 0.1) ~ L\_PF)

Residuals:

Min 1Q Median 3Q Max

-1.4546 -0.2625 0.1722 0.3915 1.5437

Coefficients:

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

(Intercept) -2.06080 0.43833 -4.701 8.73e-06 \*\*\*

L\_PF 0.49438 0.09346 5.290 7.83e-07 \*\*\*

---

Signif. codes:

0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 0.632 on 95 degrees of freedom

Multiple R-squared: 0.2275, Adjusted R-squared: 0.2194

F-statistic: 27.98 on 1 and 95 DF, p-value: 7.828e-07