**Weekly returns**

> summary(lm.weekly.1969)

Call:

lm(formula = X1969$`Weekly gold returns` ~ X1969$`Weekly SP500 returns`)

Residuals:

Min 1Q Median 3Q Max

-0.0132492 -0.0030322 -0.0005348 0.0034081 0.0129178

Coefficients:

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

(Intercept) 0.001278 0.000838 1.525 0.135

**X1969$`Weekly SP500 returns` -0.004851 0.003028 -1.602 0.117**

Residual standard error: 0.005557 on 42 degrees of freedom

(198 observations deleted due to missingness)

Multiple R-squared: 0.05758, Adjusted R-squared: 0.03514

F-statistic: 2.566 on 1 and 42 DF, **p-value: 0.1167**

> summary(lm.weekly.1973)

Call:

lm(formula = X1973$`Weekly gold returns` ~ X1973$`Weekly SP500 returns`)

Residuals:

Min 1Q Median 3Q Max

-0.088647 -0.028237 -0.007587 0.020995 0.114065

Coefficients:

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

(Intercept) 0.006302 0.005109 1.234 0.222

**X1973$`Weekly SP500 returns` -0.016687 0.144602 -0.115 0.908**

Residual standard error: 0.04086 on 62 degrees of freedom

(285 observations deleted due to missingness)

**Multiple R-squared: 0.0002148**, Adjusted R-squared: -0.01591

F-statistic: 0.01332 on 1 and 62 DF, **p-value: 0.9085**

> summary(lm.weekly.1980)

Call:

lm(formula = X1980$`Weekly gold returns` ~ X1980$`Weekly SP500 returns`)

Residuals:

Min 1Q Median 3Q Max

-0.144969 -0.020332 0.004395 0.038040 0.101813

Coefficients:

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

(Intercept) 0.01187 0.01235 0.961 0.347

**X1980$`Weekly SP500 returns` 0.66790 0.63228 1.056 0.302**

Residual standard error: 0.05954 on 22 degrees of freedom

(108 observations deleted due to missingness)

Multiple R-squared: **0.04827**, Adjusted R-squared: 0.005012

F-statistic: 1.116 on 1 and 22 DF**, p-value: 0.3023**

> summary(lm.weekly.1981)

Call:

lm(formula = X1981$`Weekly gold returns` ~ X1981$`Weekly SP500 returns`)

Residuals:

Min 1Q Median 3Q Max

-0.081999 -0.025814 -0.002542 0.024205 0.156127

Coefficients:

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

(Intercept) 0.004902 0.005087 0.964 0.339

X1981$`Weekly SP500 returns` **0.981338** 0.205922 4.766 1.18e-05 \*\*\*

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

Residual standard error: 0.04068 on 62 degrees of freedom

(286 observations deleted due to missingness)

**Multiple R-squared: 0.2681**, Adjusted R-squared: 0.2563

F-statistic: 22.71 on 1 and 62 DF, **p-value: 1.178e-05**

> summary(lm.weekly.1990)

Call:

lm(formula = X1990$`Weekly gold returns` ~ X1990$`Weekly SP500 returns`)

Residuals:

Min 1Q Median 3Q Max

-0.046652 -0.014351 0.000611 0.012876 0.067081

Coefficients:

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

(Intercept) 0.003829 0.003979 0.962 0.3435

**X1990$`Weekly SP500 returns` -0.450518 0.146279 -3.080 0.0044 \*\***

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

Residual standard error: 0.02251 on 30 degrees of freedom

(143 observations deleted due to missingness)

**Multiple R-squared: 0.2402,** Adjusted R-squared: 0.2149

F-statistic: 9.485 on 1 and 30 DF, p-value: **0.004405**

> summary(lm.weekly.2001)

Call:

lm(formula = X2001$`Weekly gold returns` ~ X2001$`Weekly SP500 returns`)

Residuals:

Min 1Q Median 3Q Max

-0.057197 -0.010757 -0.000870 0.007194 0.082526

Coefficients:

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

(Intercept) 0.00366 0.00443 0.826 0.415

**X2001$`Weekly SP500 returns` 0.12368 0.13052 0.948 0.351**

Residual standard error: 0.02488 on 30 degrees of freedom

(144 observations deleted due to missingness)

**Multiple R-squared: 0.02906**, Adjusted R-squared: -0.003302

F-statistic: 0.898 on 1 and 30 DF, **p-value: 0.3509**

> summary(lm.weekly.2007)

Call:

lm(formula = X2007$`Weekly gold returns` ~ X2007$`Weekly SP500 returns`)

Residuals:

Min 1Q Median 3Q Max

-0.086249 -0.027432 0.000522 0.029113 0.123616

Coefficients:

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

(Intercept) 0.002282 0.004752 0.480 0.633

**X2007$`Weekly SP500 returns` -0.088094 0.121054 -0.728 0.469**

Residual standard error: 0.04026 on 70 degrees of freedom

(319 observations deleted due to missingness)

**Multiple R-squared: 0.007509,** Adjusted R-squared: -0.00667

F-statistic: 0.5296 on 1 and 70 DF, **p-value: 0.4692**

> summary(lm.weekly.2020)

Call:

lm(formula = X2020$`Weekly gold returns` ~ X2020$`Weekly SP500 returns`)

Residuals:

Min 1Q Median 3Q Max

-0.067924 -0.017505 0.001028 0.015247 0.057263

Coefficients:

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

(Intercept) 0.005972 0.014434 0.414 0.693

X2020$`Weekly SP500 returns` 0.281169 0.219053 1.284 0.247

Residual standard error: 0.04082 on 6 degrees of freedom

(36 observations deleted due to missingness)

**Multiple R-squared: 0.2154,** Adjusted R-squared: 0.08467

F-statistic: 1.648 on 1 and 6 DF, **p-value: 0.2466**