**Assignment 2**

Dependent Variable (X):

* Unemployment Rate

Independent Variable (Y):

* McDonalds

Conclusion:

* In 2017, the unemployment rate significantly increases for all McDonald’s restaurants in the United States.

Linear Regression Equation:

* McDonalds = 0.033404 + 0.000110(Unemployment Rate)

SPSS Output:

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables Entered/Removeda** | | | |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Mcdonaldsb | . | Enter |
| a. Dependent Variable: unemployeement\_rate | | | |
| b. All requested variables entered. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Summary** | | | | |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate |
| 1 | .156a | .024 | .004 | .008963 |
| a. Predictors: (Constant), Mcdonalds | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVAa** | | | | | | |
| Model | | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | .000 | 1 | .000 | 1.201 | .279b |
| Residual | .004 | 48 | .000 |  |  |
| Total | .004 | 49 |  |  |  |
| a. Dependent Variable: unemployeement\_rate | | | | | | |
| b. Predictors: (Constant), Mcdonalds | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Coefficientsa** | | | | | | |
| Model | | Unstandardized Coefficients | | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | .033 | .007 |  | 4.457 | .000 |
| Mcdonalds | .000 | .000 | .156 | 1.096 | .279 |
| a. Dependent Variable: unemployeement\_rate | | | | | | |