# CP2403 - Project – Part 2 – Time Series Analysis

First Name:

Last Name:

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| **1: Time Series Plot** |
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| **2: Box Plot of Monthly Dengue Cases** |
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| **3: Rolling Mean & Standard Deviation Plot of Time Series** |
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| **4: Results of Dickey-Fuller Test of Time Series** |
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| **5: Log Plot of Time Series** |
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| **6: Seasonal Decompose plot of Time Series** |
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| **7: Rolling Mean & Standard Deviation Plot of Residual** |
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| **8: Results of Dickey-Fuller Test of Residual** |
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| **9: ACF and PACF plot** |
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| **10: p,q and q values** |
| **p=1**  **q=1**  **p-value=0** |
| **11: ARIMA Plot** |
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| **12: Prediction Plot** |
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**Scenario 5**

Experiment with multiple and polynomial regression between oilperperson(x1), co2emissions

(x2), relectricperperson (x3) and employrate (y)

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| **1: Regression Analysis results** |
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| **2: Regression line** |
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| **3: qqplot** |
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| **4: Conclusion from qqplot** |
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| **5: percentage of observations over 2 standardized deviation** |
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| **6: percentage of observations over 2.5 standardized** |
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| **7: Conclusion from observations over 2 std and 2.5 std** |
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