***MAP4C – Using Data to Make Predictions***

Data from the past can help us make predictions about the future. Here’s the process:
(Graph 🡪) Data 🡪 Scatterplot 🡪 Regression 🡪 Equation 🡪 Prediction 🡪 Conclusion
For each of the graphs, use the process to make required predictions. Use Desmos to help make your predictions.

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| GRAPH:  |
| DATA (INCLUDE UNITS):

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| REGRESSION TYPE:REGRESSION RESULTS: | REGRESSION EQUATION: |
| PREDICTION FOR DEPENDENT VARIABLE:Predict how much wind energy was produced in 2017. | PREDICTION FOR INDEPENDENT VARIABLE:Predict when there will be 700 thousand megawatts produced. |
| CONCLUSION: | CONCLUSION: |
| GRAPH:  |
| DATA (INCLUDE UNITS):

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| REGRESSION TYPE:REGRESSION RESULTS: | REGRESSION EQUATION: |
| PREDICTION FOR DEPENDENT VARIABLE:Predict how many barrels per day were imported in 2013. | PREDICTION FOR INDEPENDENT VARIABLE:Predict when there were 4 million barrels per day imported. |
| CONCLUSION: | CONCLUSION: |
| GRAPH:  |
| DATA (INCLUDE UNITS):

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| REGRESSION TYPE:REGRESSION RESULTS: | REGRESSION EQUATION: |
| PREDICTION FOR DEPENDENT VARIABLE:Predict the suicide rate if a state has 80% gun ownership. | PREDICTION FOR INDEPENDENT VARIABLE:Predict the gun ownership if the suicide rate is 18%. |
| CONCLUSION: | CONCLUSION: |
| GRAPH:  |
| DATA (INCLUDE UNITS):

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| REGRESSION TYPE:REGRESSION RESULTS: | REGRESSION EQUATION: |
| PREDICTION FOR DEPENDENT VARIABLE:Predict the cost of bacon in 2016. | PREDICTION FOR INDEPENDENT VARIABLE:Predict when the cost of bacon will reach $15/pound. |
| CONCLUSION: | CONCLUSION: |