Worksheet – Relationship Between Gravity and Latitude at n=13 Stations

* **Dependent Variable – Y = Gravity (Dynes) Obtained from 3 Half-second Pendulums**
* **Independent Variable – X = Latitude of Station (Degrees North Latitude)**

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* **SS(Residual) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ df(Residual) = \_\_\_\_\_**
* **SS(Regression) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_df(Regression) = \_\_\_\_\_**
* **SS(Total Corrected) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_df(Total Corr) = \_\_\_\_\_\_**

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* **Compute the element of P in its first row and first column**

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