# Summary

1. Team & their responsibilities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Torin** | **Abilash** | **Mojith** | **Pubudu** |
| Analyze sample and provide statistics |  |  |  |  |
| Build hypothesis/questions |  |  |  |  |
| Hypothesis testing (with visualizations) |  |  |  |  |
| Provide list of assumptions |  |  |  |  |
| Identify other patterns through statistics |  |  |  |  |
| Documentation |  |  |  |  |

1. GIT Repo Link

<https://github.com/TorinW/DataScience_UoM_19>

1. Hypothesis / Questions
   1. What hypothesis or Questions you explored during this exercise?

Is education level affect to keep the marriage?

Is working more hours increase the average income?

1. Assumptions

* All respondands are in the similar salary scales and have similar working conditions
* All respondands had/have similar educational opportunities
* Having kids is indipendant from all the other factors
* Education level 98,99 are outliers.
* No of kids 98, 99 are outliers.
* Hours stand for no of working hours, not the no of hours spend with family.

1. References

Haja, J. (2016). Create Bell Curve and Histogram with Power BI Desktop using DAX. [online] Mssqltips.com. Available at: <https://www.mssqltips.com/sqlservertip/4076/create-bell-curve-and-histogram-with-power-bi-desktop-using-dax/>[Accessed 17 Feb. 2019].

Panel Study of Income Dynamics web site: <https://psidonline.isr.umich.edu/> [Accessed 16 Feb. 2019].