

## CHAPTER 6

### CONCLUSIONS

In accordance to the result presented above, the author came into conclusions:

1. Data generated by SDV has reduced deviation standard, meaning the newly generated datasets are less chaotic than the original data used in this research. Synthetic Data Vault also requires relatively large amount of time to generate new data.
2. Predictions with Synthetic Data Vault performs better than without the technique accuracy wise. It is safe to say that Synthetic Data Vault technique is able to substitute real data to be used in medical workforce prediction, assuming the trends continue.
3. Overall, there is no clear winner between SVR and RF as both can be used along with SDV generated data to achieve greater accuracy in comparison to using the original data. SVR performs better than RF in lower data count. RF performs better than SVR in larger data count.

