* The definition and explanation of the Fingerprint Biometrics KPI

1. The False Acceptance Rate also known as the “FAR” in this case know as False Match Rate or “FMR”
2. The False Rejection Rate, also known as the “FRR” in this case know as False Non-Match Rate or “FNMR”
3. The Equal Error Rate, also known as the “ERR” where the rate FMR to FNMR is equal
4. True Acceptance Rate, also knowns as the “TAR” which defined by 1-FRR
5. Weighted Error Rate, also known as “WER” which defined as the sum FNMR and FMR
6. Template Capacity which shows the maximum number sets of data than can be stored in
7. Matching speed which shows the time it takes for an individual to be authenticated or identified using the application

* Mock Dashboard with the metrics

For the mock dashboard I made some data that you can get here:

https://drive.google.com/drive/folders/169Izvbv0guGASoK0PkqEZ12lqx11DFZO?usp=sharing

Which shows Device (to use the apps), FMR, FNMR, EER, WER, Template Capacity, and Matching Speed. Data visualized in this dashboard contains of Average FMR, Average FNMR, and Average EER in ‘Card’. I make multiple charts to show the quality of the apps on multiple devices such as FMR vs FNMR and WER vs TAR. Also, I make 2 more-line area charts for the Template Capacity and Matching Speed for the devices that uses the apps. All of those with a slicer/filter of the device.

