**Heart Disease**

Table 1. Comparison of models based on computational cons and accuracy of Non Augmented Data

| Terms | ANN | CNN | DNN | MobileNet | EfficientNet | ShuffelNet |
| --- | --- | --- | --- | --- | --- | --- |
| Total No. of parameters | 48769 | 158337 | 186305 | 2340033 | 4131620 | 18114 |
| FLOPs (Floating Point Operations) | 97057 | 967745 | 371601 | 612890241 | 800949208 | 186304 |
| Model Size (in MB) | 0.63 | 1.87 | 2.23 | 10.06 | 17.08 | 0.08 |
| Running Time (in sec) | 0.14 | 0.43 | 0.40 | 8.73 | 20.91 | 0.09 |
| Accuracy | 84.78% | 77.17% | 83.15% | 80.43% | 59.23% | 78.80% |

Table 2. Comparison of models based on computational cons and accuracy of Augmented Data

| Terms | ANN | CNN | DNN | MobileNet | EfficientNet | ShuffleNet |
| --- | --- | --- | --- | --- | --- | --- |
| Total No. of parameters | 48257 | 158337 | 185281 | 2340033 | 4131620 | 18114, |
| FLOPs (Floating Point Operations) | 96033 | 719041 | 369553 | 612890241 | 780528156 | 204896 |
| Model Size (in MB) | 0.62 | 1.87 | 2.22 | 10.06 | 17.02 | 0.08 |
| Running Time (in sec) | 0.20 | 0.29 | 0.45 | 128.50 | 3.98 | 0.04 |
| Accuracy | 87.93% | 87.26% | 87.13% | 86.63 % | 53.35% | 86014 |