Summary of fuzzy logic-based studies for Android malware detection

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| Author | Dataset | Number of samples | Analysis Type | Feature Extraction | Feature Selection | Classification Method | Result |
| Arif et al. (2021) | Drebin, AndroZoo | 10.000 | Static | Permission-Based Features | İnformation Gain | Fuzzy AHP | %90,54 |
| Altaher (2017) | GNOME, Google Play Store | 500 | Static | Permission-Based Features | İnformation Gain | Evolving hybrid neurofuzzy classifier (EHNFC) | %90 |
| Afifi et al. (2016) | Google Play, Malgenome | 1220 | Dynamic | Network Traffic Movements | ClassifierSu-bsetEval | ANFIS+PSO | RMSE 0.4113 |
| Altaher & Barukap (2017) | GNOME, Google Play Store | -- | Static | Permission-Based Features | İnformation Gain | Adaptive neuro fuzzy inference system with fuzzy c-means clustering (FCM-ANFIS) | %91 |
| Abdulla & Altaher (2015) | GNOME, Google Play Store | 200 | Static | Permission-Based Features | İnformation Gain | k-ANFIS (k, KNN-based evolving fuzzy clustering (kEFCM) | %75 |