Analysis classification; social networking (online); metamorphic malware; behavior-based detection; efficient malware classification; malware family network aggregation; malware dataset; signature-based malware detection method; polymorphic malware; Android malware family classification; Andro-Simnet; social network analysis; mobile devices; malwares attack behavior pattern; tactical characteristics; high classification accuracy; graph visualization; k-fold cross-validation; Malware; Feature extraction; Classification algorithms; Detection algorithms; Social network services; Static analysis; Generators; malware similarity; machine learning; malware classification; social network analysis