

Data Visualization Platform Comparison Matrix

| | Superset | Redash | Mode | Periscope |
|--|-------------------------------|-------------------------------|---|----------------------|
| Maintainability | | | | |
| Stack | Python3, Flask, Celery, React | Python3, Flask, React, Celery | Hosted / Proprietary | Hosted / Proprietary |
| Watch / Stars / Forks | 🟢 1300/31800/6600 | 🟢 588/17900/3100 | Proprietary | Proprietary |
| Software Foundation | 🟢 Apache | 🟡 no | Proprietary | Proprietary |
| | | | | |
| Features | | | | |
| Slack & email support | 🟢 yes | 🟢 yes | 🟢 yes | 🟢 yes |
| Alerting | 🔴 no* [early development] | 🟢 yes | 🔴 no | 🟢 yes |
| Drag and drop without writing SQL | 🟡 somewhat | 🔴 no | 🔴 no | 🟢 yes |
| Dashboard filtering | 🟢 yes | 🟢 yes | 🟢 yes | 🟢 yes |
| Shared metrics definition | 🟢 yes | 🔴 no | 🟡 calculated fields | 🟡 calculated fields |
| | | | | |
| Content organization | | | | |
| Cross topic search | 🔴 | 🔴 | 🟢 | 🟢 |
| Topics / spaces | 🔴 | 🔴 | 🟢 | 🟢 |
| | | | | |
| Sql editor | | | | |
| Powerful sql editor | 🟡 needs work | 🔴 not query centric | 🟢 yes | 🟡 not query centric |
| Query search | 🟢 yes | 🟡 limited | 🟡 indexes reports, columns but not sql text | 🟢 yes |
| Progress bar | 🟢 yes | 🔴 no | 🟢 yes | 🔴 no |
| Schema preview | 🟢 yes | 🟡 lacks indexes | 🟢 yes | 🟢 yes |
| Sql templates | 🟢 yes | 🟢 yes | 🟢 yes | 🟢 yes |
| Table previews | 🟢 yes | 🔴 no | 🟢 yes | 🔴 no |
| | | | | |
| Security | | | | |
| Access control list granularity (sql queries, charts) | 🟢 database / schema / table | 🔴 database | 🔴 database | 🔴 database / spaces |
| ACL granularity to view dashboards / reports | 🟢 database / schema / table | 🔴 database | 🔴 database | 🔴 database / spaces |
| User management | 🟢 UI / API | 🔴 UI / script | 🔴 UI (API incomplete) | 🟢 API |
| | | | | |
| Integrations | | | | |
| User activity log | 🟢 Yes, in DB & API | 🟢 yes, in DB | 🔴 Manual | 🟡 incomplete, in DWH |
| API for chart creation | 🟢 Yes, library & API | 🟡 no | 🔴 no | 🔴 no |
| Embedding | 🟢 iFrame | 🟢 iFrame | 🟢 iFrame | 🟢 iFrame |
| Git integration | 🔴 no | 🔴 no | 🟡 github | 🟢 Any git server |