

## TetraData Analysis Suite v5.3

### New Features

| Feature                                                                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Improved database processing time through the use of different data types</b> | This feature changes how data admin creates structures so that data can be pulled out more efficiently from the Analysis Suite applications resulting in improved processing time.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Ability to track attributes/objects used in queries</b>                       | New logging functionality tracks usage of attributes and objects in queries allowing administrators to monitor user activity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Count queries optimized</b>                                                   | Whenever a query contains only counts, the entire query is now executed on the database, resulting in faster query results.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>TetraData Analyzer measure defaults to 'Count of Student' on all queries</b>  | In response to users' requests: TetraData Analyzer Web/PC now automatically uses a count of students when a new query is started.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Queries show null values</b>                                                  | Queries that do not have data will now return a null value rather than dropping empty rows from the query results.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Ability to constrain data by points in time</b>                               | The TetraData constraint language now supports the use of SetID. This enables the user to constrain data by points in time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Enhanced Small-n Functionality</b>                                            | The small-n functionality suppresses data results when groups (usually students) are smaller than n. This new functionality allows for three methods of data suppression to be applied at the cellular level: 1) The <b>small-n policy</b> to restrict users from data where the sample size is less than n, 2) The <b>small-n on all policy</b> operates the same way except that it uses the all coordinate for its sample size and 3) a <b>conditional small-n policy</b> applies the small n constraint against results that meet a specified criteria. There can be multiple policies applied in a single query. |
| <b>TimeSet Restricted Data Access</b>                                            | Timeset restricted data access allows the constraint of data results based on the users' org to determine current and past students. This functionality enables FERPA compliant longitudinal analysis.                                                                                                                                                                                                                                                                                                                                                                                                                |