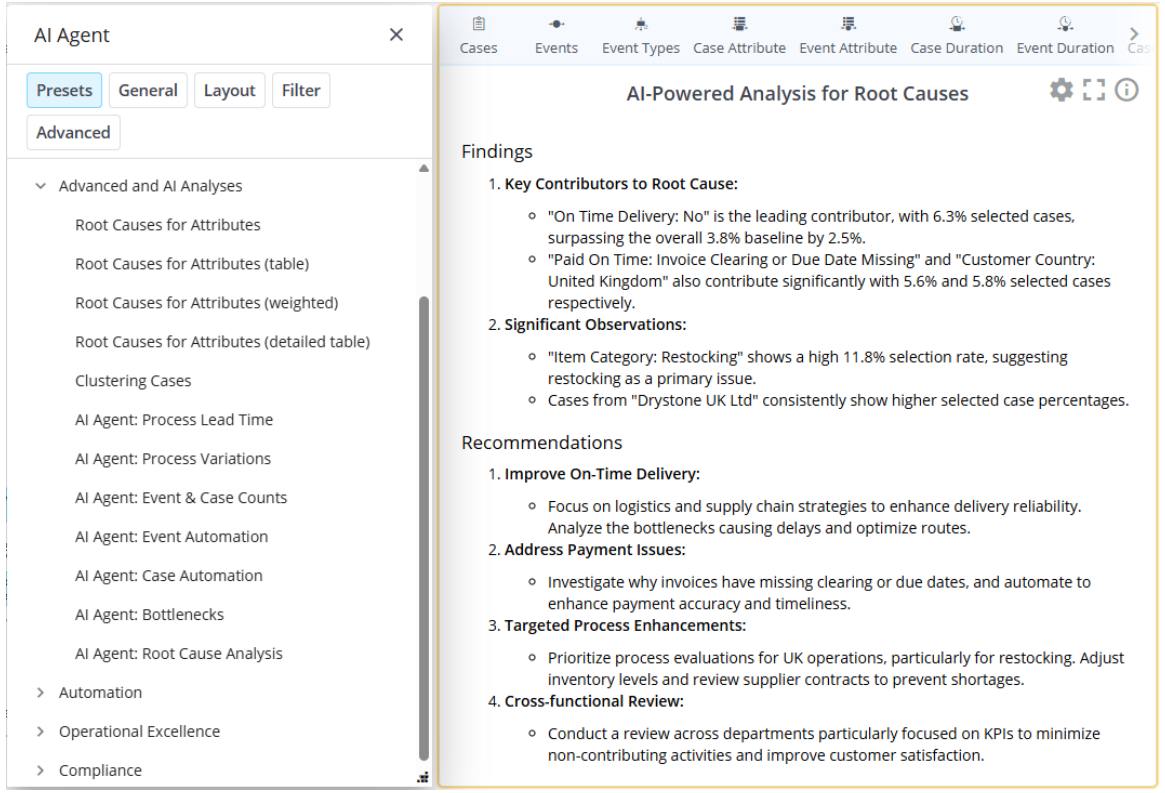
QPR ProcessAnalyzer 2025.4 – New features

New AI Agent presets give recommendations by analyzing specific viewpoints

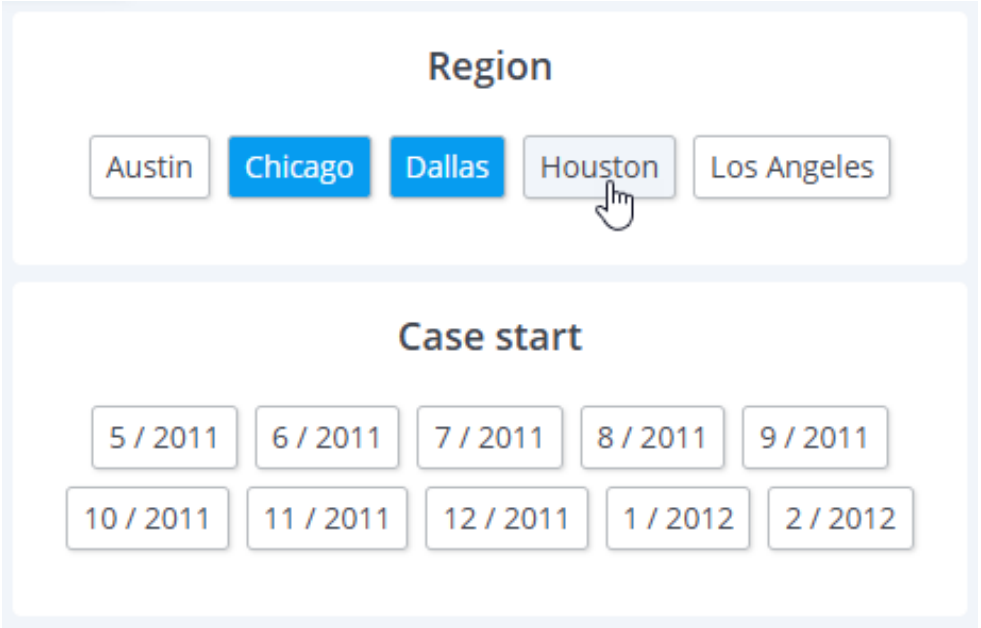
- AI Agent presets:
  - AI Agent: Process Lead Time
  - AI Agent: Process Variations
  - AI Agent: Event & Case Counts (new)
  - AI Agent: Event Automation (new)
  - AI Agent: Case Automation (new)
  - AI Agent: Bottlenecks (new)
  - AI Agent: Root Cause Analysis (new)
- Textual instructions and relevant datasets included to prompt
  - Charts for prompt datasets have descriptions helping LLM to interpret the data
- As an expectation: Current state analysis relies on objective facts; recommendations are mainly based on common knowledge
- AI Agent presets are good examples when creating custom agents
- List of predefined LLM's are limited to moderately priced ones, but all LLM's allowed by Snowflake are available when writing LLM name



Filtering component to easily change filters and supporting any filter rules types

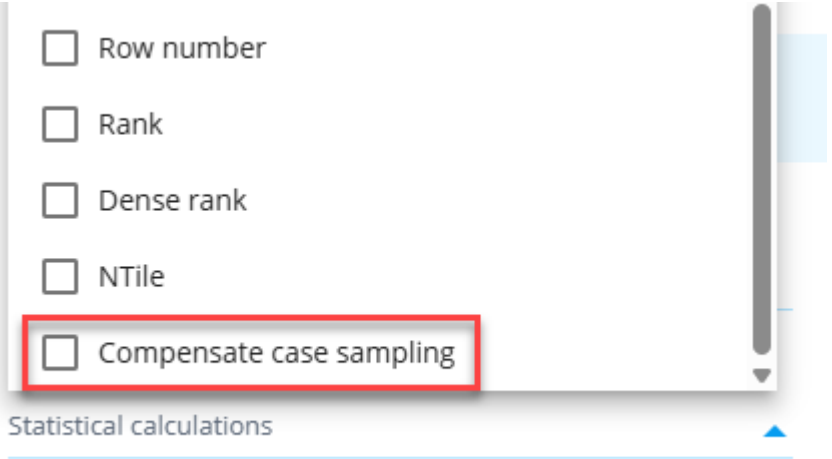
- New filtering component can create any type of filters for distinct values – also expression filters
  - Selected items in the filter component and dashboard header are kept in sync
- All filterable values in the model are always shown
  - Values that are not available due to other filter rules, are shown as grey and are not clickable
- Measure values can be shown with each filterable item, and they are filtered with other filter rules
- Multi-selection by default
  - Single-selection while *Ctrl* key pressed
  - Range selection while Shift key pressed
- Component filter can limit shown filtered items

wiki.onqpr.com/pa/index.php/Filter_Selectors#Filter_selector

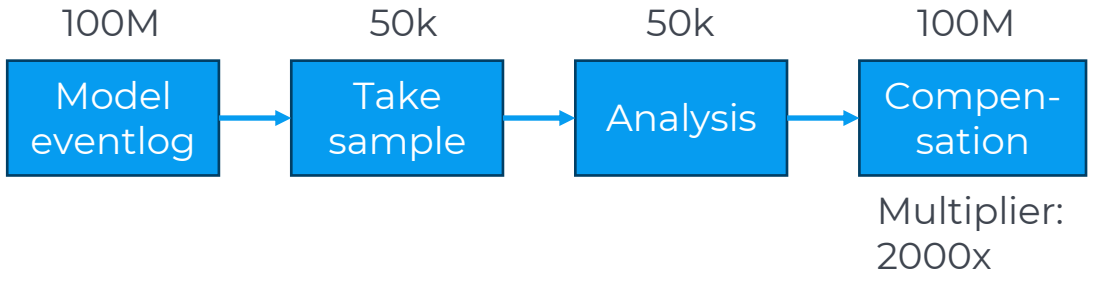


Declining effect of sampling can be compensated with automatic multiplier

- Problem to solve: Sampling of cases improves performance remarkably, but object counts and numerical data sums show too low values
  - This declining effect can be compensated with a multiplier that is determined automatically
- Compensation can be applied to any numerical measure (in *Statistical calculations*)
- In flowchart, sampling is available for event type and flow measures with **Sampling affects measures** setting
  - By default, sampling is done for variations only
- Benefit: There is only slight performance decrease when data volume increases
- Caveat: Sampled measure values are not exact
- Caveat: Not suitable for finding rare occurrences because they might not end up to the sample



Example

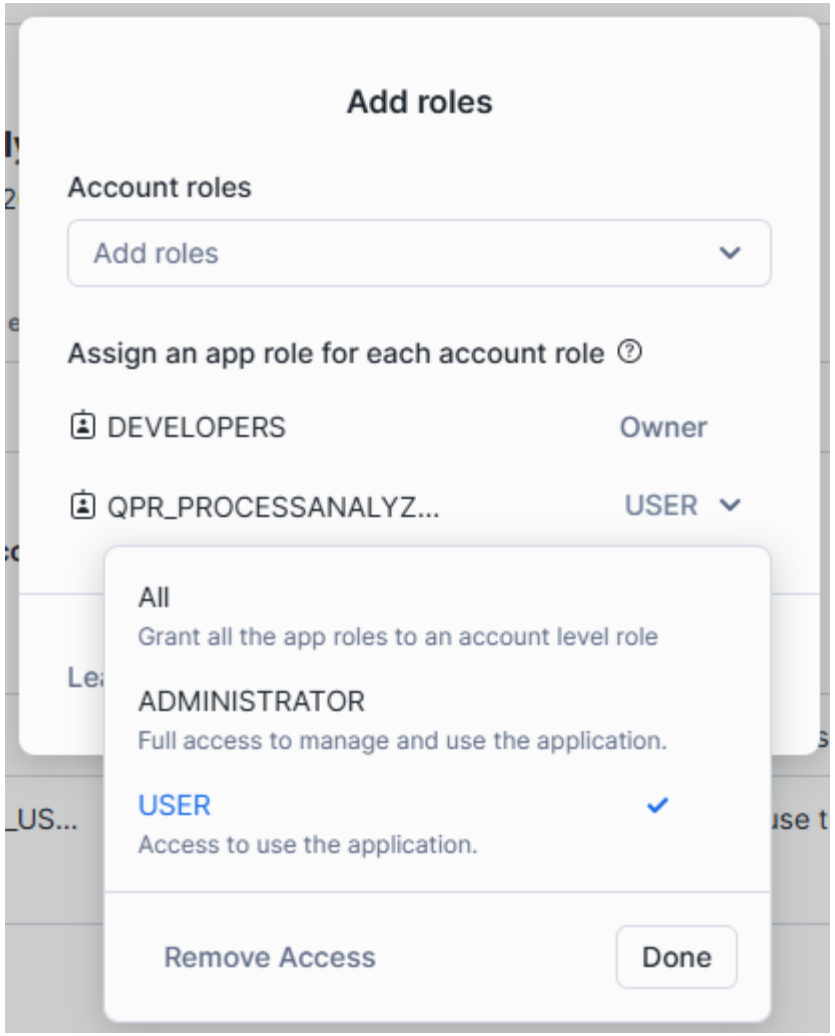


Snowflake Native app permissions and logging improvements

- Snowflake Native App has now application roles:
  - **User**: for using app
  - **Administrator**: for managing app objects (suspend/resume service, take/restore backups)
- For optimal permissions: Create account role for native app users and assign it to the *User* application role
- IMPORTED PRIVILEGES ON SNOWFLAKE DB is not asked on installation
  - Instead, CORTEX_USER database role can be given to the application to use AI Agent

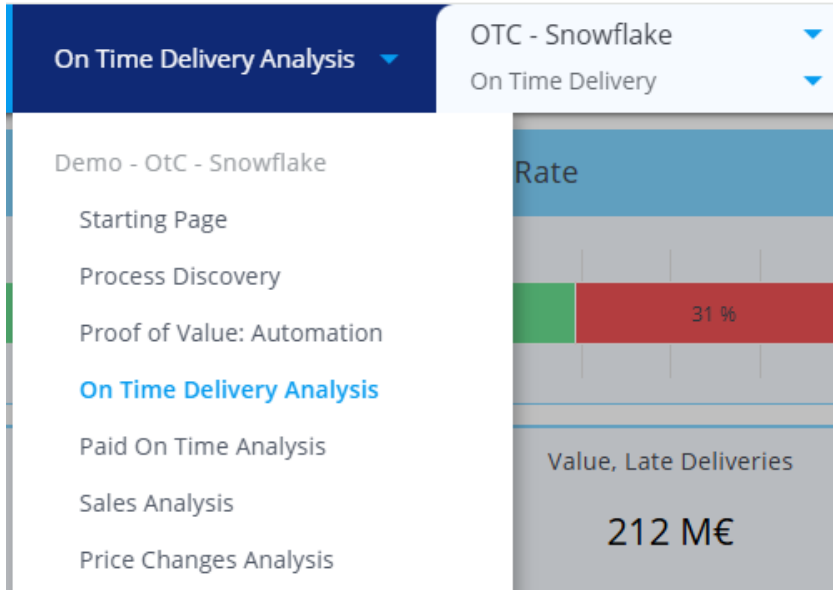
wiki.onqpr.com/pa/index.php/QPR_ProcessAnalyzer_Native_App_in_Snowflake#Optional_privilege_for_AI_Agent

- Logging has been improved and now sharing application logs with the application provider (QPR) is possible

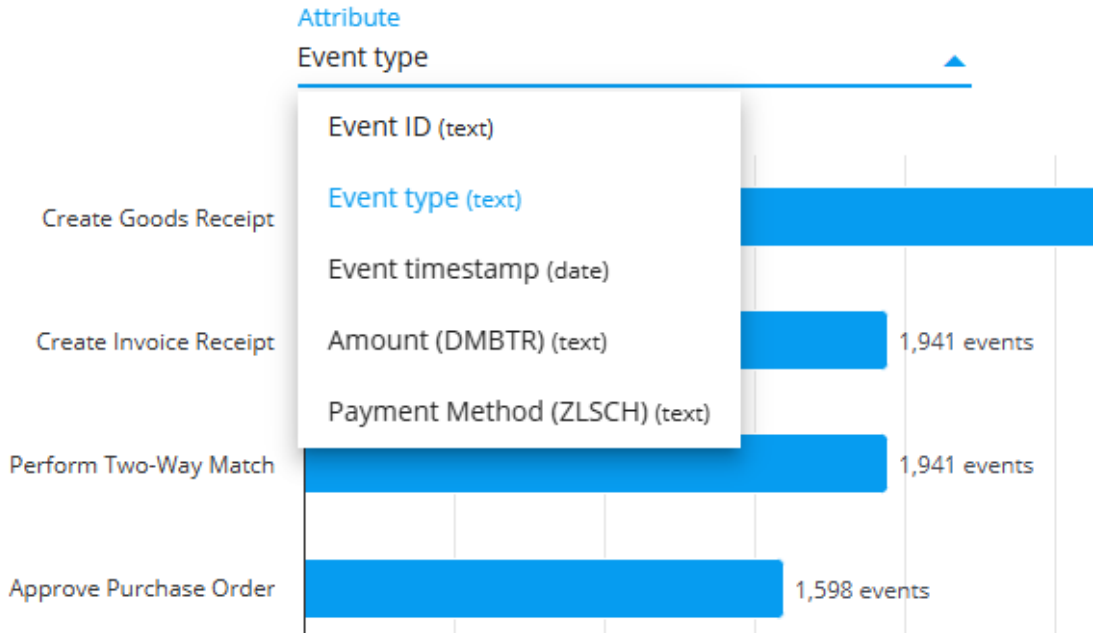


Other improvements

- Navigation menu now displays dashboards from open dashboard's project or selected project in Workspace
  - Earlier dashboards were shown from the selected model's project
  - Note: Dashboards list is empty after login because Workspace top level is selected by default



- In object-centric models, **Object ID**, **Event ID**, **Event type**, and **Event timestamp** appear as attribute names
  - For these columns, custom names cannot be used, as object-centric model assumes certain column names



Other improvements

- Filtering dimensions with dimension-specific filters, will now create expression filter rule where dimension-specific filter is embedded
  - Earlier, dimension-specific filter rule was created as a separate rule which didn't accurately represent the selection
- Added **CsvToDataFrame** function for converting textual CSV data into in-memory dataframe, example:
  - CsvToDataFrame(`
    Case ID;Region;Product Group
    10050693;Chicago;Hats
    102117314;Austin;Socks
    102880778;New York;Shirts
    `)

wiki.onqpr.com/pa/index.php/DataFrame_in_Expression_Language#CsvToDataFrame