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1. Revision History

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| --- | --- | --- | --- |
| Version | Delivery Date | Revision Owner | Reason |
| 0.0.1 | 13/03/2018 | ELGHARIB Sophie | Document Creation |
|  |  |  |  |

1. Contributors & Reviewers

Reviewers

|  |  |  |
| --- | --- | --- |
| Team | Name | Signoff Date |
| Software Factory |  |  |
|  |  |  |

Contributors

|  |  |  |
| --- | --- | --- |
| Team | Name | Related Sections |
|  |  |  |
|  |  |  |

1. Testing Scope & Description

Testing Scope

The scope of these tests is to test the debriefing of time series forecasting models with segmentation

Description & Objectives

The features check by these tests are:

[FPA00-11475](https://sapjira.wdf.sap.corp/browse/FPA00-11475)

1. Test Ready Criteria

Test Environment

Cloud Foundry

1. Test Exit Criteria

* 0 bug very high
* 0 bug high
* Max **1** bug medium
* Max **2** bug minor

1. Test Worflows

**Positive testing**

|  |  |  |  |
| --- | --- | --- | --- |
| **TestCase Title/ Name** | **TestCase Description** | **TestCase Steps** | **Expected Result** |
| **Prerequisites** |  |  |  |
|  | Browse datasets | Click on the menu / Browse / Predictive / Datasets | Dataset list is displayed |
|  | Upload datasets | Click on “+” then select the dataset files to upload. | Dataset files are uploaded |
|  | Create a Time series forecasting scenario | Click on the menu / Browse / Predictive / Models  Click on “+” and select “Time Series Forecasting” | A new time series forecasting scenario is created and displayed |
|  | Create Automated model | Click on “+” to add a model and set signal, date and segmentation variables then save model. | Model is added in models drawer. |
| **Time Series Model Debriefing with Segmentation** |  |  |  |
|  | Train model | Click on “Train”. | Model debriefing is displayed with the Overview for the model.  The “Overview” report contains the following sections :   * Top Segments (10 top segments meaning that their horizon wide MAPE are displayed in ascending order) * Bottom Segments (10 bottom segments meaning that their horizon wide MAPE are displayed in descending order) * Mean MAPE for the overall model * Training issues by Segment   A list box allows to display the debriefing for each segment.  Segments are listed at the bottom of the overview. |
|  | Search for Segment | In the segment list, use Search function to filter segment list. | The list is filtered according to the search |
|  | Browse segment debriefing | In the top segments, click on one segment link | The debriefing for the selected segment is displayed.  The “Overview” report is displayed by default and contains :   * Global Performance Indicators * Signal Statistics * Model Components   The list of available reports are : “Overview”, “Forecast” and “Signal Analysis” |
|  |  | Navigate back to model Overview report using the list box | Model overview report is displayed. |
|  |  | In the bottom segments, click on one segment link | The debriefing for the selected segment is displayed.  The “Overview” report is displayed by default and contains :   * Global Performance Indicators * Signal Statistics * Model Components   The list of available reports are : “Overview”, “Forecast” and “Signal Analysis” |
|  |  | Navigate back to model Overview report using the list box | Model overview report is displayed. |
|  |  | In the segment list, click on one segment link | The debriefing for the selected segment is displayed.  The “Overview” report is displayed by default and contains :   * Global Performance Indicators * Signal Statistics * Model Components   The list of available reports are : “Overview”, “Forecast” and “Signal Analysis” |
|  |  | Select “Forecast” report | “Forecast” report is displayed with the following sections :   * Forecast vs. Actual * Forecasts * Signal Outliers * Signal Anomalies |
|  |  | Select “Signal Analysis” report | “Signal Analysis” report is displayed with the following sections :   * Model Components * Signal Decomposition * Lagged Predictors Contribution |
|  |  | For each section, check that you update the visualization settings | The visualization is updated according to the settings |
|  |  | For each section with selectors, update selection to update the visualization | The visualization is updated according to the new selected value |

1. Automation

*<Detail here any information that could be used to understand what and how the tests have been automated (perforce information, test coverage, tools, etc.) >*

1. Further Hints

*<Detail here any information that could be used to extend or improve this Test Case>*