

7.3 Exam Forms

The **Exam Form Statistics** in the **Observer Dashboard** describes the various statistics associated with every exam form in the project you are working on. The user can select an exam form from the drop-down and view the report for the corresponding exam form below in the **Exam Form Observer Dashboard**.

The screenshot shows the 'Observer Dashboard' for 'Project: Vikys Project'. The 'Exam Forms' tab is selected in the top navigation bar. Below the navigation, there are links for 'Users', 'Committees', 'Exam Forms', and 'View Questions'. The user is identified as 'edvturmer' with a last login of '04/01/19 09:45 AM'. The dashboard includes a 'Help' link and a description of the page's purpose. Key statistics shown are: Start Date: 10/15/2018, Completion Date: 5/31/2019, and Days to Completion: 60. A dropdown menu for 'Select Exam Form' is currently set to '<Select One>'. At the bottom, there are links for 'Exam Form Statistics' and 'Validation Data Report'.

On selecting an exam form from the drop-down, information about the exam form is displayed below like the page displayed below:

This screenshot shows the 'Exam Form Statistics' for the 'Rainbow Form' (#3918). The 'Select Exam Form' dropdown is now set to 'Rainbow Form'. The statistics displayed are: Average Difficulty (Angoff): 60.00 (SEM: 0), Average Validation Rating for Test: ★★★, Rated Questions (Used in average): 1, SMEs Participants: rev1, Questions Selected: Scored: 7 (Experimental: 0), and Percentage Shared Among Versions: 0.00%. A 'Metadata (% of Test)' section is also present with a scrollable area. Below the statistics is the 'Validation Data Report' table.

| Seq. # | Question # | Revision Code | Blueprint ID | Question Author | Users who Approved Question | Avg. Importance | Avg. Criticality | Avg. Frequency | Avg. AngOff | # Raters | Raters |
|--------|------------|---------------|--------------|--------------------------------|--|-----------------|------------------|----------------|-------------|----------|----------------------------|
| 1 | 169855 | 282693 | 0 | Writer 1 (10/19/2018 10:13 AM) | rev3 (11/06/2018 13:05 PM), rev2 (11/06/2018 13:04 PM), rev1 (11/06/2018 13:04 PM), rev2 (11/06/2018 13:02 PM), rev3 (11/06/2018 13:00 PM), rev1 (10/30/2018 11:02 AM), rev3 (10/30/2018 11:02 AM), rev2 (10/29/2018 13:13 PM), rev1 (10/29/2018 13:12 PM), rev1 (10/29/2018 13:09 PM) | 2 | 3 | 3 | 60 | 1 | rev1 (11/06/2018 13:54 PM) |
| 2 | 173728 | 290682 | 0 | Writer 1 (12/12/2018 10:29 AM) | | 0 | 0 | 0 | 0 | 0 | |
| 3 | 170551 | 290710 | 0 | Writer 1 (10/29/2018 10:41 AM) | | 0 | 0 | 0 | 0 | 0 | |
| 4 | 170689 | 294392 | 0 | Writer 1 (10/30/2018 10:27 AM) | | 0 | 0 | 0 | 0 | 0 | |
| 5 | 170752 | 281333 | 0 | Writer 1 (10/31/2018 11:04 AM) | | 0 | 0 | 0 | 0 | 0 | |
| 6 | 170778 | 301056 | 0 | Writer 1 (10/31/2018 13:37 PM) | | 0 | 0 | 0 | 0 | 0 | |
| 7 | 170751 | 281359 | 0 | Writer 1 (10/31/2018 11:01 AM) | | 0 | 0 | 0 | 0 | 0 | |

The following statistics are displayed:

Exam Form Statistics:

1. **Exam Form:** Shows the name of the exam form selected. The exam form ID is mentioned in parentheses following a # sign.
2. **Average Difficulty (Angoff):** The average Angoff rating of the items in the exam form.
3. **SEM:** The Standard Error of Measurement of the exam form.



SEM is an estimate of error to use in interpreting a candidate's test score.

4. **Average Validation Rating for Test:** The average validation rating for the exam form.
5. **Questions selected:**
 - a. **Scored:** The number of items scored in the exam form.
 - b. **Experimental:** The number of experimental items in the exam form.
6. **Percentage Shared Among Versions:** The percentage of items shared among the versions of an exam form.
7. **Metadata (% of Test):** The percentage of metadata belonging to different metadata contents in an exam form.

This page also shows the details of the ratings assigned to items in the project:

| UserName | #QuestionRated | AvgAngOff | #Rating Outliers | Rating Difference |
|----------|----------------|-----------|------------------|-------------------|
| anita | 2 | 57.00 | 2 | 57.00 |

| Column | Description |
|-------------------|--|
| Username | The user working on the project. |
| # Question Rated | The number of items rated by the user. |
| Avg Angoff | The average Angoff ratings of the items assigned by the user. |
| # Rating Outliers | The number of items with outlier rating on the exam form. |
| Rating Difference | The difference between the average Angoff and rating outliers. |



Tracking user progress in a Standard Setting session

This table is a great tool to see which users have finished work and which still have work to do using the **# Questions Rated** column in the table above. If you know how many items are on the exam form, it will be easy to see which users you should ping to complete their work.

Another section included is the **Validation Data Report**.

This report shows the validation performed on the items belonging to the selected exam form in drop-down with the following details:

| Validation Data Report | | | | | | | | | | | |
|------------------------|------------|---------------|--------------|-----------------------------------|--|-----------------|------------------|----------------|-------------|----------|----------------------------|
| Seq. # | Question # | Revision Code | Blueprint ID | Question Author | Users who Approved Question | Avg. Importance | Avg. Criticality | Avg. Frequency | Avg. AngOff | # Raters | Raters |
| 1 | 169855 | 282693 | 0 | Writer 1 (10/19/2018 10:13 AM) | rev3 (11/06/2018 13:05 PM), rev2 (11/06/2018 13:04 PM), rev1 (11/06/2018 13:04 PM), rev2 (11/06/2018 13:02 PM), rev3 (11/06/2018 13:00 PM), rev1 (10/30/2018 11:02 AM), rev3 (10/29/2018 13:13 PM), rev2 (10/29/2018 13:12 PM), rev1 (10/29/2018 13:09 PM) | 2 | 3 | 3 | 60 | 1 | rev1 (11/06/2018 13:54 PM) |
| 2 | 170689 | 294392 | 0 | Writer 1 (10/30/2018 10:27 AM) | | 0 | 0 | 0 | 0 | 0 | |
| 3 | 170778 | 301056 | 0 | Writer 1 (10/31/2018 13:37 PM) | | 0 | 0 | 0 | 0 | 0 | |
| 4 | 170829 | 281519 | 0 | Writer 1 (11/01/2018 09:49 AM) | | 0 | 0 | 0 | 0 | 0 | |

| Column | Description |
|--------|------------------------|
| Seq.# | Sequence on exam form. |

| | |
|------------------------------------|---|
| Question # | Question ID (not DB ID). |
| Revision Code | Displays the Revision Code number of the item. |
| Blueprint ID | Displays Blueprint ID of the item. |
| Question Author | Displays the Author name, Date and Time for the item. |
| Users who Approved Question | Displays the users who approved that item. |
| Avg. Importance | Average Importance Rating (using 0 -4 rating across all raters of current version of the item). |
| Avg. Criticality | Average Criticality Rating (using 0 -4 rating across all raters of current version of the item). |
| Avg. Frequency | Average Frequency Rating (using 0 -4 rating across all raters of current version of the item). |
| Avg. Angoff | Average Angoff Rating (Average Angoff Rating across all raters who rated the current version of this item). |
| #Raters | The number of raters who were used in calculating the averages listed above. |
| Raters | All of the raters whose ratings were used in calculating the values above. |