UTSW Power BI Dashboard Definitions and Instructions

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Introduction

For years, medical school student affairs deans have asked for more transparency in the residency application process, so that our students can better target their applications to the programs they are more likely to get interviews and match, and cut down unnecessary application costs. The Texas STAR© (Seeking Transparency in Application to Residency) Survey is a collaboration between medical schools and senior medical students across the country to take a stand and work together to provide this data for medical students in order to achieve a healthier match climate.

Programmers at the University of Texas Southwestern Academic Information System developed the Dashboards to provide a graphical and interactive way of viewing and translating the data into actionable content.

These dashboards and the database obtained from the survey are copyright protected by the University of Texas Southwestern Medical Center.

Current Tabs/Pages

- **Home**: Overview of the dashboard.
- **STAR Search**: This page provides the ability to use a student’s data and search for which specialties and which programs within specialties comparable students received interviews, did not receive interviews, and ultimately matched.
- **Summary by Specialty**: For each specialty, you are able to view the averaged and mean characteristics for the applicant pool (default), interviewed pool, and matched pool by selecting the Status.
- **Summary by Program**: By first selecting a specialty, you are able to view each residency program within that specialty’s averages and mean characteristics for the applicant pool (default), interviewed pool, and matched pool by selecting the Status. This allows insight
into the competitiveness of each program and can be sorted by clicking the top of each column.

- **Quartile/Step 1 Score**: Scatter chart by Quartile and Step 1 Score.
- **Clerkship/Step 1 Score**: Scatter chart by number of Clerkship honors received and Step 1 Score.
- **Research Experiences/Step 1 Score**: Scatter chart by number of Research Experiences a student report completing and Step 1 Score.
- **Quartile/Step 2 CK**: Scatter chart by Quartile and Step 2 Score.
- **Timeline, Costs, & Others**: Graphs available by specialty related to passage attempts on USMLE exams, release of scores, timing of interview offers and interviews, and costs associated with the application process.
- **Senior Advice**: Advice provided by survey respondents. Can be sorted by specialty, survey year, or matched status.
- **COVID-19 Edition**: Feedback provided by survey respondents on virtual interview. Can be sorted by specialty and matched status.

**Dashboard Operation Tips**

**Full Screen View:**

By clicking the small bars on the upper left hand corner, you can enlarge the dashboard (make it full screen) eliminating some of the scrolling unnecessary.

**Adjust Display Size of Dashboard:**

The bar is to turn the navigation panel on and off, combine with the “View”, you can adjust the display size of the dashboard to fit your screen.
Power BI 'Slicers':

These selections to the left of the report are called ‘Slicers.” They allow the user to ‘slice’ the data to customize the report.

Expand/Retract Drop Down List:

Click on the small arrowhead on the drop down list to expand/retract the list.
Selecting Multiple Options on a Particular Slicer:

You are able to click on multiple boxes within a slicer category to broaden your selected range.

Clearing Selections on Slicers:

Power BI retains the selections made to the report’s slicers and filters even when moving from one dashboard to the next. Look for an eraser icon when hovering over the title of the selected slicer to clear all selections made and bring the report back to its original state.
To clear all of your selections, click the reset button at the top right of the screen:

![Reset button]

**Sort Data:**

Hover over any column title and click on the arrow to see the data sorted in ascending or descending order of the particular metric.

![Sorted data]

Also, there is a sort menu on some windows under “More options” menu, “Export Data” is disabled for the report.
Filtering Data on Scatter Chart:

When you click on a circle, the circle itself will be high-lighted and detailed data will be filtered on lower panels. If you use the control key to select multiple circles, all of the results will report at the bottom. **PLEASE NOTE: The dashboard was unable to label the 1st quartile at the top, so the rows are unlabeled.** Please note the axis labels below corresponding to each quartile row on the Quartile/Step 1 Score dashboard. “Quartile N/A” describes the situation where the school does not rank students or the question was unanswered.
**Drilling Down on the Details:**

When you click on a particular circle to select it:

- The lower left-hand box displays the applicant and their characteristics that fit within your selected slicers/filters.
- The lower right-hand box shows the corresponding programs those applicants applied to, interviewed with, and matched based on the “Status” selected.
Filtering Data on the Details:

When you click on a particular row on the bottom left, it will be highlighted and its detail level information will be filtered and displayed on the right panel. To cancel this filter simply click the row again. You can also use the control key to select multiple students and have all of their program information filtered on the right.

This section is the only one in which you can filter the results in order to see all the programs a specific student applied to, which ones they interviewed at, and where they matched at the same time. Looking at the entire picture of a specific applicant helps put the information into context (geographical preference, program type etc.).

Enlarging the Student and Application Section:

You can make the student and application detail enlarge simultaneously by clicking the following button.
To return to the prior screen, click “Back to Report.”

Search Institution:
Since the list of residency program institutions is long, a search function has been made available.

When you click on the drop down list of institutions, there is a magnifying glass. Type in a keyword next to the magnifying glass, and a list of institutions will show up for you to choose from.
### Glossary of Terms:

<table>
<thead>
<tr>
<th>Term</th>
<th>Descriptions and assumptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Step 1 Avg</td>
<td>Average of USMLE Step 1 scores. When range is 240-244 then 242 is used for averaging purposes; Min is 190, Max is 272</td>
</tr>
<tr>
<td>Step 2 Avg</td>
<td>Average of USMLE Step 2 scores. When range is 240-244 then 242 is used for averaging purposes; Min is 190, Max is 272</td>
</tr>
<tr>
<td>Total # Applicants</td>
<td>Number of all applicants</td>
</tr>
<tr>
<td>Total # Matched Applicants</td>
<td>Number of matched applicants</td>
</tr>
<tr>
<td>Total # Applications</td>
<td>Total number of applications by students</td>
</tr>
<tr>
<td>Average # of interview offers</td>
<td>Based on programs checked on matrix</td>
</tr>
<tr>
<td>Average # of interviews attended</td>
<td>Based on student’s survey answer (Removed all responses with answers over 40 since the data was unreliable)</td>
</tr>
<tr>
<td>AOA/Sigma Percentage</td>
<td>Number of applicants who indicated AOA/Sigma membership over total number of applicants.</td>
</tr>
<tr>
<td>Quartile</td>
<td>Ranking system based on student’s home institution. N/A if ranking not performed or recorded.</td>
</tr>
<tr>
<td>Geographic Connection</td>
<td>Student/applicant’s report of a geographic connection to a particular residency program (family, prior education, etc.)</td>
</tr>
<tr>
<td>Med School Location/ Med School Region</td>
<td>Related to the student’s home medical school. Region relates to the AAMC GSA region. State is reported only when there were more than one medical school participating to protect the identity of the students.</td>
</tr>
</tbody>
</table>