

Fix It 5.6

The staff members of a private college preparatory school have been trying to analyze student data and create what-if scenarios regarding investment decisions. Unfortunately, they've made a mess of this workbook. Can you help them fix it?

Skills needed to complete this project:

- Sorting Data
- Converting Data into Tables
- Filtering Table Data with Slicers
- Removing Duplicate Rows from Tables
- Adding Total Rows to Tables
- Creating PivotTables Using Recommended PivotTables
- Inserting a Pie Chart
- Changing the Chart Type
- Analyzing Data with Data Tables

Step 1
Download
start file

1. Open the start file **EX2016-FixIt-5-6**. The file will be renamed automatically to include your name. Change the **project file** name if directed to do so by your instructor, and **save** it.
2. If the workbook opens in Protected View, click the **Enable Editing** button in the Message Bar at the top of the workbook so you can modify the workbook.
3. The data in the *Student Test Data* worksheet has a couple of problems to fix:
 - a. Format the data so the school faculty can use slicers to filter data. Use any style you want.
 - b. The data should be organized alphabetically by student.
 - c. Display slicers so data can be filtered by month, by subject, or by student or by any combination of the three. Go ahead and display the slicers, but you don't need to apply any filtering.
 - d. Find and delete the duplicate records. There should be 90 unique records.
 - e. The data should include a Total row to calculate the average score.
4. The PivotTable on the *Student Pivot* sheet should summarize the average scores for each subject for each student by month. However, the *Score* field data have been added to the wrong section of the PivotTable.
 - a. Move the *Score* field to the correct section of the PivotTable.
 - b. Modify the calculation to display the average score instead of the total score.
5. The PivotChart on the *Faculty Pivot* sheet should show the size of each department as a proportional part of a whole. A line chart was the wrong choice.
 - a. Change the chart type to a better choice.
 - b. Display Data Labels using the **Data Callout** format.

6. The school finance committee has determined that a \$28,000 facilities upgrade will be needed in 12 years. An alumnus has donated \$20,000. If invested, will it grow to be enough? That depends on the rate of return. On the *Data Table* worksheet, an attempt has been made to use Excel's data table feature to determine the value of the investment after ten years at different rates of return. The formula in cell D6 is correct, but something went wrong with the data table. Delete the zeros in cells **D7:D30** and try again. Even if you're not familiar with the FV formula used in cell D6, you should be able to figure this out.
7. Save and close the workbook
8. Upload and save your **project file**.
9. Submit project for grading.

Step 3
Grade my
Project

Step 2
Upload &
Save