

## Learning from Variation Template Instructions

The Learning from Variation Template Spreadsheet can be used to plug in data by subgroup to understand variation for any variable of interest. The p-chart will automatically populate so data reviewers can quickly identify bright and dark spots for further investigation. Numerators and denominators for data referenced in TXNSI can be accessed through the TXNSI data dashboards, but any locally available data can just as easily be plugged in to the spreadsheet to learn from variation.

1. Navigate to the **Template tab** on the Learning from Variation spreadsheet for your district. Right click and duplicate the tab for each variable you would like to create p-charts for. It is recommended to rename the tab according to the variable and subgroup you are analyzing (e.g. "Attendance Students Experiencing Poverty").
2. Update the **Subgroup names** in column B as necessary. These will show up as labels on the x-axis of your p-chart. Subgroup examples may include (but are not limited to) classrooms, grade levels, racial demographics, or campuses.
3. Update column C with the **variable numerators** (i.e. all students who met the threshold for the variable you are interested in observing). For example, if you are interested in On-Track Attendance for Students Experiencing Poverty, include the count of students within the subgroup experiencing poverty who also were in attendance 96% or more of the school year.
4. Update column D with the **variable denominators** (i.e. all students who are within the subgroup of interest). Keeping with the same example above, include the count of students within the subgroup experiencing poverty.
5. Columns E through H and the p-chart will be **automatically populated** as numerators and denominators are entered.