



Data Analysis with Shared Google Sheets

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G Suite Learning Center

Create and simultaneously edit spreadsheets with your team, right in your browser.

Analyze data with charts and filters, handle task lists, create project plans, and much more. All changes are saved automatically.

1 Customize your spreadsheet and data.

The screenshot shows the Google Sheets interface with several callouts pointing to specific features:

- Change title:** Points to the "Untitled spreadsheet" title.
- Copy formatting from one section of text and apply it to another:** Points to the "Format Painter" icon (two overlapping squares).
- Format your text:** Points to the text formatting options (bold, italic, underline, text color).
- Add or edit cell borders:** Points to the border style options.
- Merge cells:** Points to the merge cells icon.
- Undo and Redo your last changes:** Points to the undo and redo icons.
- To enter data, click any cell and start typing:** Points to a cell in the spreadsheet grid.
- Format your data as currency, percentages, decimal places, or other options:** Points to the number formatting options.
- Add links, comments, charts, filters, or functions:** Points to the insert, link, comment, chart, filter, and sum icons.

Note: To improve compatibility with Excel keyboard shortcuts, you can [override browser shortcuts](#).

2 Work with rows, columns, and cells.

The screenshot shows the "Edit" and "Insert" menus:

- Edit:** A menu with three horizontal lines representing options.
- Insert:** A menu with four options: "Row above", "Row below", "Column left", and "Column right".



Google Sheets

Table Tips

- ★ Keep headings short
- ★ Label all columns
- ★ If order matters, label the order
- ★ Hide columns that don't matter
- ★ Avoid merging cells
- ★ Turn on filters
- ★ View -> Freeze rows or columns



Copy and Share

[Barlow](#)

[Merritt](#)

[Putnam](#)

Teachers need to...

- ★ have due dates for data entry
- ★ know what not to change: formulas, rows & columns
- ★ use the data

Absolute vs. Relative Formulas

The Magic “\$”

`A2` will always refer to cell A2 even if you cut and paste the formula in another cell

`$A2` will always refer to column A, but the row will change relative to where you paste the formula

`A2` will change the row and column every time you paste it relative to the new cell

Aggregate Grade/Department Level Sheet

Grade 4

Who will you share with?

Admins, Department Chairs, Coaches, Teachers?

Getting Information From One Spreadsheet to Another

```
=IMPORTRANGE(spreadsheet_url, range_string)
```

```
=IMPORTRANGE("https://docs.google.com/spreadsheets/d/1l  
BLSbka0BwvdJe_L30I7uKP867XtC4tv994TG3ZcSJE/edit#gid  
=0","DRA!k6")
```

```
=IMPORTRANGE($A2,"DRA!k6")
```

```
=transpose(IMPORTRANGE($A2,"endmod!d30:d38"))
```

- ★ Use quotes around the URL & range
- ★ Use an exclamation point after a sheet name
- ★ Import a single cell or a range
- ★ Use “transpose” function to import a range horizontally

Pivot

Pivot table editor ✕

allmodules!A1:Q211 📊

Suggested ^

- 📊 Average of Average for each Spreadsheet
- 📊 Average of % Level 1 for each Teacher
- 📊 Average of % Level 2 for each Module

Rows ADD

Columns ADD

Values ADD

Filters ADD

Chart

Chart editor ✕

DATA CUSTOMIZE

Chart type
Column chart

Stacking
None

Data range
A1:B5

X-AXIS Teacher

SERIES Mod 1

Add Series

Switch rows / columns

Use row 1 as headers

Use column A as labels

Aggregate column A

Discuss

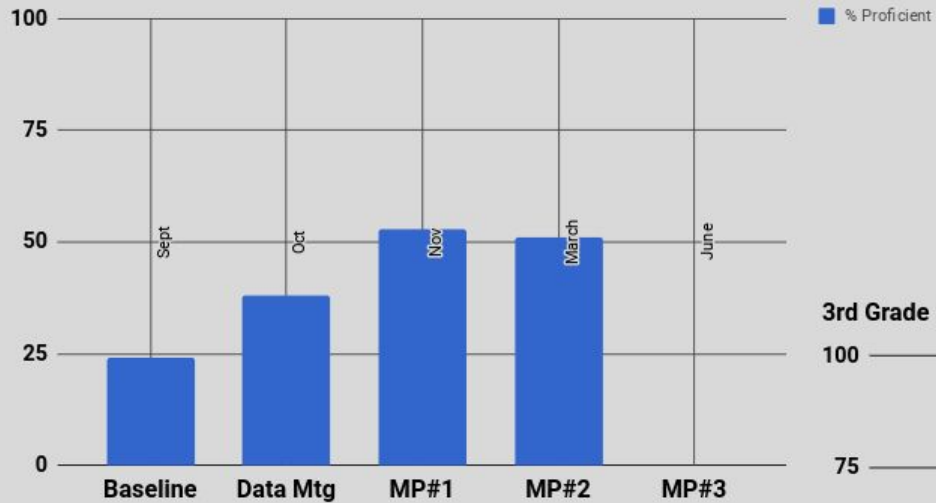


Data Safety Regulations

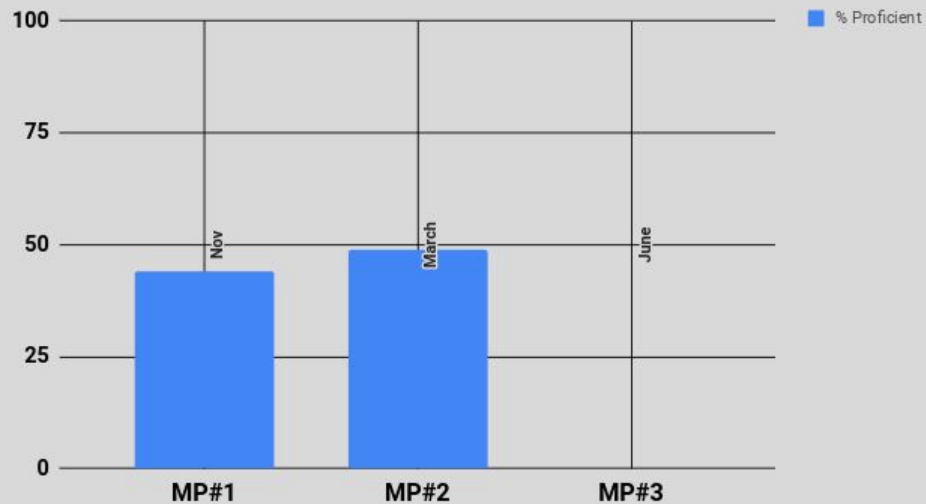
- Celebrate the successes!
- Don't use data to punish (administrators, teachers, students, schools).
- Don't use data to blame students or their circumstances.
- Don't jump to conclusions without ample data.
- Don't use data as an excuse for quick fixes. Focus on improving instruction!

From: [Using Data To Improve Learning For All](#) by Nancy Love

3rd Grade Addition Proficiency 2017-18



3rd Grade Multiplication Proficiency 2017-18



Here's What. So What? Now What?

Data Discussion Protocol for Grade Level Fluency Proficiency

1. Here's What. (2 minutes)

Factual statements:

2. So What? (3 minutes)

Interpretation of the data:

3. Now What? (10 minutes)

Plan of action, including relevant questions:

Here's What. So What? Now What?

Data Discussion Protocol for Grade Level Fluency Proficiency

- **Here's What. (2 minutes)**

Factual statements:

- Almost half (49%) of the grade level was proficient in multiplication in MP2.
- There was improvement from MP1 to MP2 in multiplication, even though the facts assessed became more challenging.
- There was steady improvements in addition, until MP 2 when we had a slight decline
- Our addition baseline was quite low (24%)
- Students with disabilities are not growing at the same rate as their peers.

Here's What. So What? Now What?

Data Discussion Protocol for Grade Level Fluency Proficiency

- **So What? (3 minutes)**

Interpretation of the data:

- Students cognitive carpet (working memory) may have switched from addition to multiplication from MP1 to MP2.
- Due to the addition baseline of 24% we had to be intentional with our instruction.
- Students got discharged from AIS due to growth in MP1, therefore they may have declined in MP2 due to the change in support.
- How do you extract what students grew in comparison to the data?
- Analyzing raw scores.

Here's What. So What? Now What?

Data Discussion Protocol for Grade Level Fluency Proficiency

- **Now What? (10 minutes)**

Plan of action, including relevant questions:

- Continue daily practice
- Instructing strategies (properties) for addition and multiplication
- Fluency Games bank
- Strategy posters, Color by Strategy games
- Revisiting all operations frequently

Other good stuff.

Conditional formatting...

Version history...

Get add-ons...



Thanks!
Enjoy the reception!

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