



Graph Reproduction

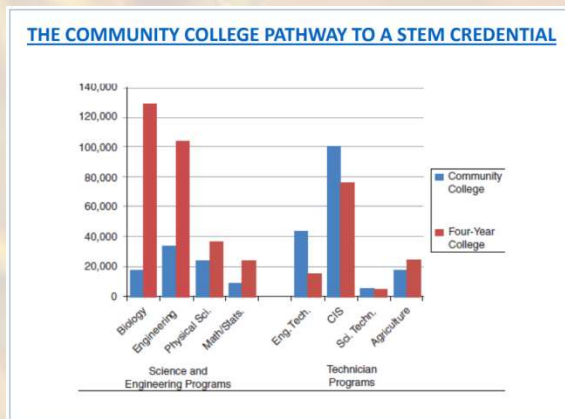
Technique 23

Bar Chart

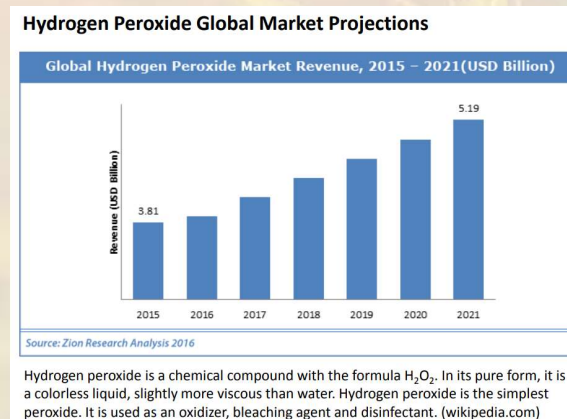
Launch Google Spread Sheet

- Create columns and rows to duplicate bar charts shown.
- Enter data corresponding to the bar chart.
- Insert a bar chart based on data entered.

Challenge #1

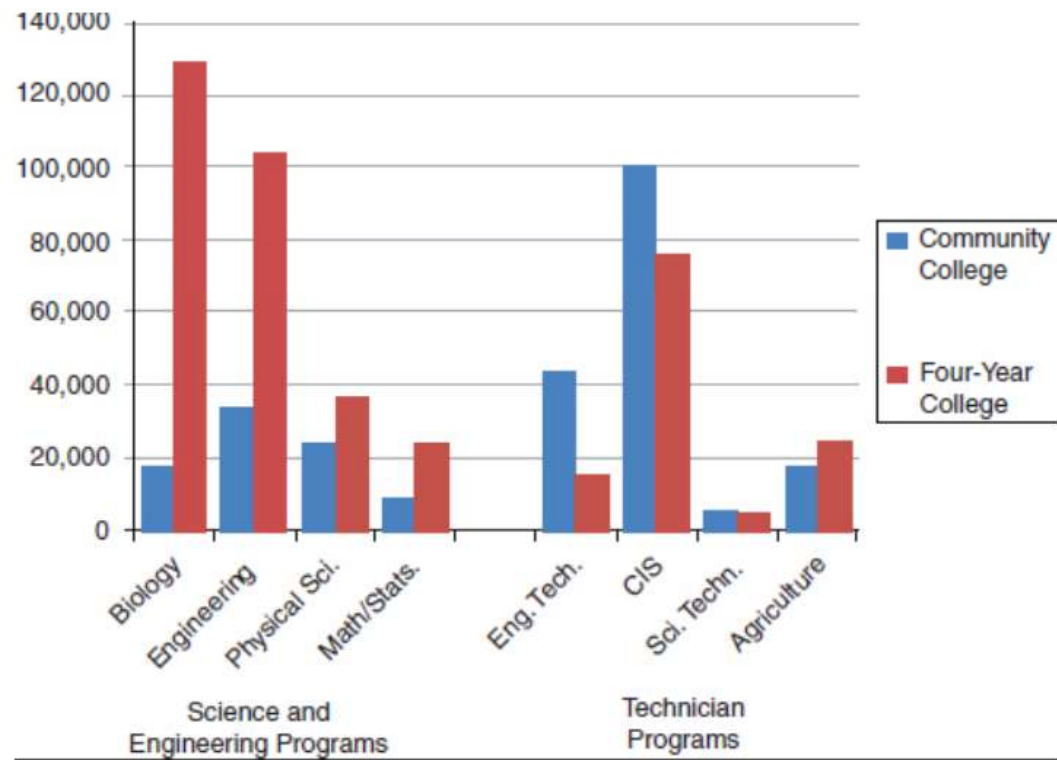


Challenge #2



Programs and Student Interest

THE COMMUNITY COLLEGE PATHWAY TO A STEM CREDENTIAL



Complete the Data Entry and Formatting

B	C	D	E	F	
		Community College	Four-Year College		
	Biology	19,000	124,000		
	Engineering	37,000	102,000		
	Physical Science	21,000	38,000		
	Math/Stat	8,000	22,000		
	Eng. Tech.	41,000	18,000		
	CIS	100,000	78,000		
	Sci. Techn.	4,000	3,000		
	Agriculture	19,000	21,000		

Insert a Chart

	Community College	Four-Year College
Biology	19,000	124,000
Engineering	37,000	102,000
Physical Science	21,000	38,000
Math/Stat	8,000	22,000
Eng. Tech.	41,000	18,000
CIS	100,000	78,000
Sci. Techn.	4,000	3,000
Agriculture	19,000	21,000

> Insert

Insert Format Data Tools

9 Rows above

9 Rows below

3 Columns left

3 Columns right

Cells and shift down

Cells and shift right

Chart

Image

Drawing

Form

Function

Link Ctrl+K

Checkbox

Comment Ctrl+Alt+M

Note Shift+F2

New sheet Shift+F11

> Chart

Chart editor

Setup Customize

Chart type: Column chart

Stacking: None

Data range: C3:E11

X-AXIS: C3:C11

Aggregate:

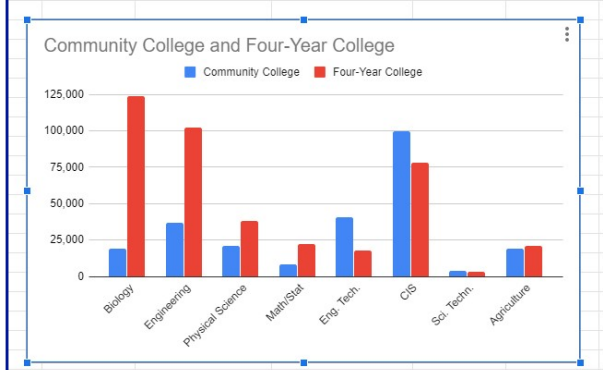
SERIES: Community College, Four-Year College

Switch rows / columns:

Use row 3 as headers:

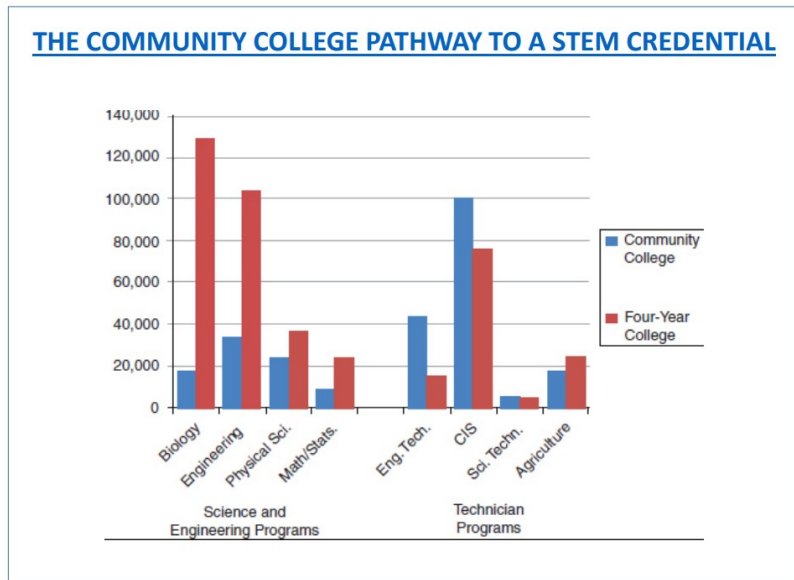
Use column C as labels:

Column chart <

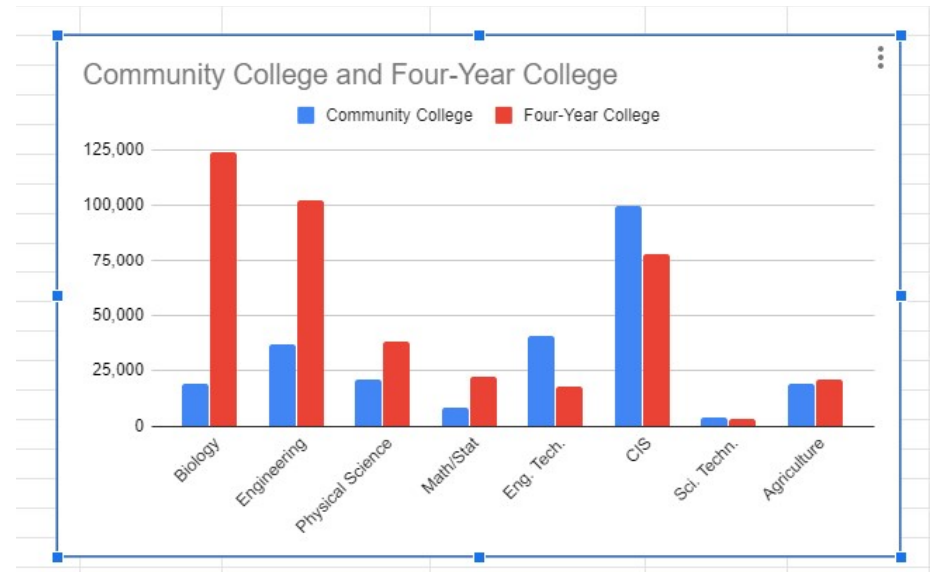


Compare Original vs. Spreadsheet Chart

Original

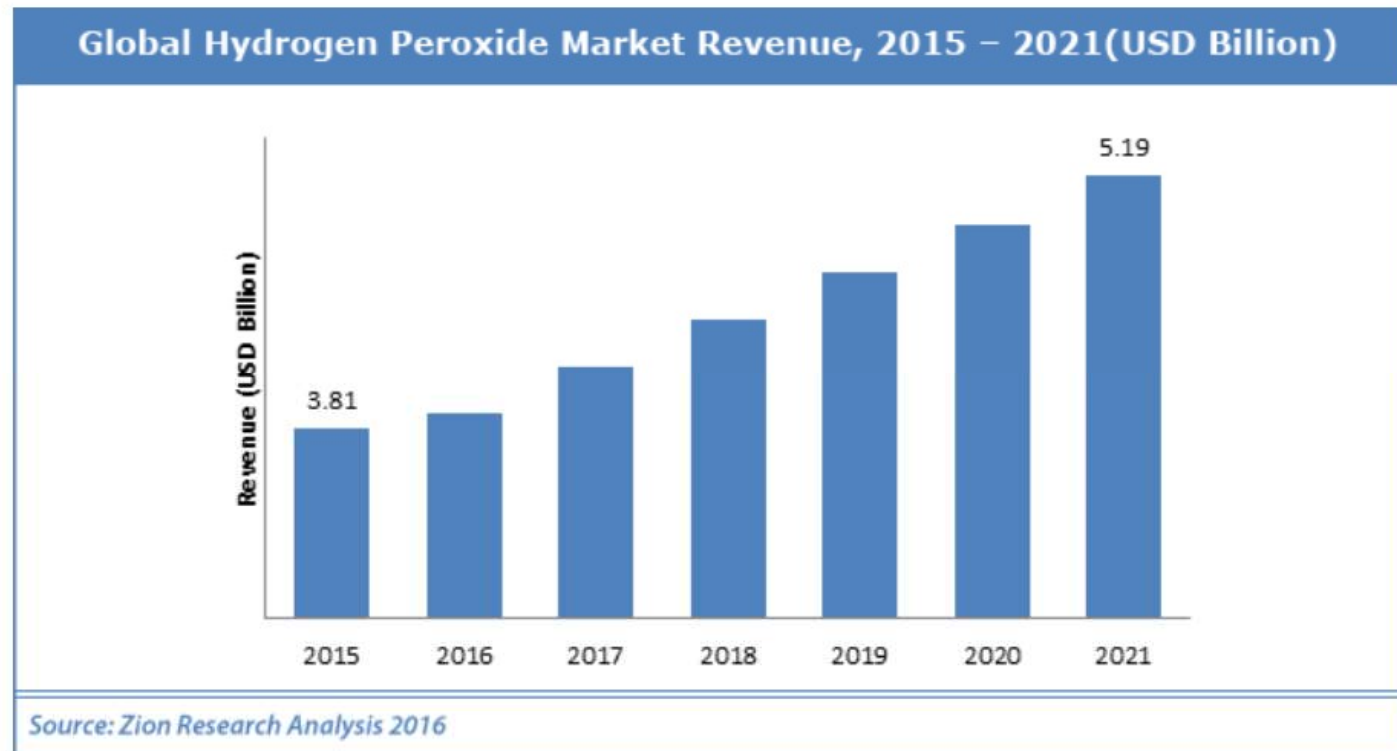


Spreadsheet



Revenue Chart for Hydrogen Peroxide

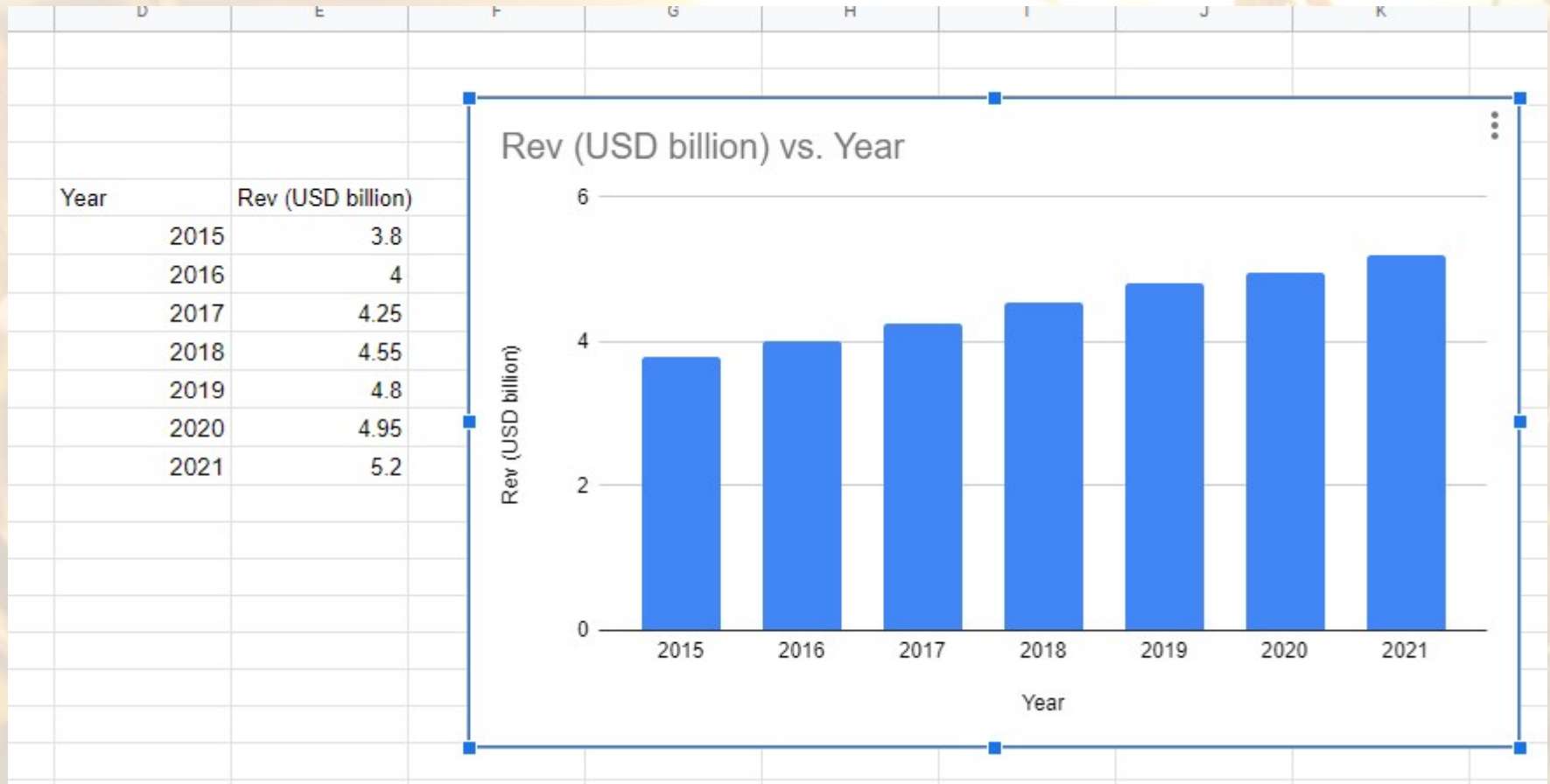
Hydrogen Peroxide Global Market Projections



Hydrogen peroxide is a chemical compound with the formula H_2O_2 . In its pure form, it is a colorless liquid, slightly more viscous than water. Hydrogen peroxide is the simplest peroxide. It is used as an oxidizer, bleaching agent and disinfectant. (wikipedia.com)



Google Chart



Compare Original and Chart

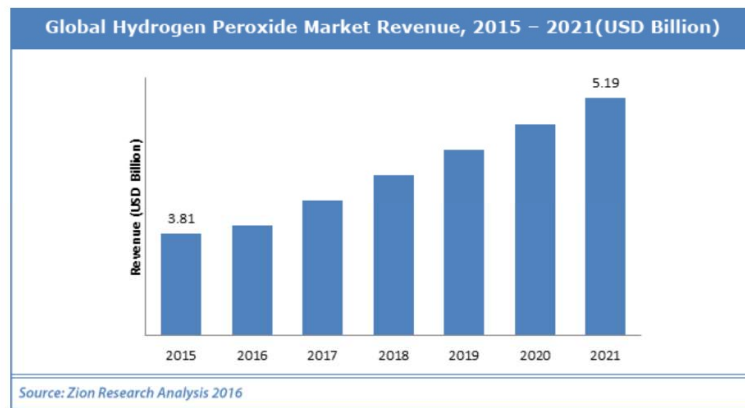
Notice the original does not have a Y-scale.

In chart ... the scale automatically begins at zero.

The original “begins” at about \$2 billion.

This “little trick” is common in financial data to create an illusion of faster growth.

Hydrogen Peroxide Global Market Projections



Hydrogen peroxide is a chemical compound with the formula H_2O_2 . In its pure form, it is a colorless liquid, slightly more viscous than water. Hydrogen peroxide is the simplest peroxide. It is used as an oxidizer, bleaching agent and disinfectant. (wikipedia.com)

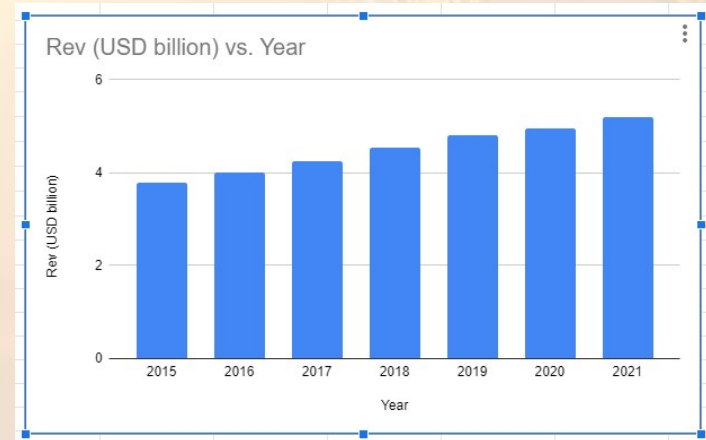


Chart ... begins at zero



Modified to begin at \$2 billion.

This looks like the original.

It also “distorts” the data/trend.

