MULTILINE HEADING

1 TEXT TYPESETTING

We begin our 🛬 **story** 🌍 **in New York** 🗽 🌃. *There once* was a girl 👱‍♀️ known by 📸 everyone 💜 and no one. Her ❤️ **heart** belonged to *someone* 👫 who couldn't stay ✈️ 💔. They loved each other ❄️ recklessly 🌲 🔥 🏢. They paid the price 😨. *She danced* 💃 *to forget him* 🎉. *He drove* 🚗 *past her street every night* 🌙. **She made friends** 👫 **and enemies** ⚡️💣🔪. **He only saw her** 👦 **in his dreams** ☁️💤. **Then one day he came back** 🧑‍🦰‼️. 🕐🕑🕐 **Timing is a funny thing** 😌. And everyone 📺 👀 📰 was watching 📷 🎥 📺 📝. Sʜᴇ ʟᴏsᴛ ʜɪᴍ ☂️ ʙᴜᴛ sʜᴇ ꜰᴏᴜɴᴅ ʜᴇʀsᴇʟꜰ 👱‍♀️ 🍃 🌊 ᴀɴᴅ sᴏᴍᴇʜᴏᴡ ᴛʜᴀᴛ ᴡᴀs ᴇᴠᴇʀʏᴛʜɪɴɢ 😌 🛁.

$$\int_{13}^{22+\frac{e}{2}} x^2 \, \mathrm{d}x \quad \int_{13}^{22+\frac{e}{2}} x^2 \, \mathrm{d}x \quad \sum_{n=1}^{13} n^2 + n \quad \prod_{n=1}^{13} n$$

$$\sqrt[3]{U} + \sqrt[3]{\frac{x}{n}} + \sqrt[3]{\frac{\int_{13}^{22+\frac{e}{2}}}{n}} + \sqrt[3]{\frac{abc + \frac{e}{n}}{\int_{13}^{22+\frac{e}{2}}}}$$

$$\cfrac{a + \frac{e}{n} + \sqrt{2}}{22 + \frac{e}{2}} \quad \cfrac{a + \frac{e}{n}}{\int_{13}^{22+\frac{e}{2}}} \quad \cfrac{a + \frac{e}{n}}{\frac{e}{n}} \quad \cfrac{a + \frac{e}{n}}{n}$$

$$a - \int_{13} \ \ $$

"*I love you*" doesn't count after goodbye. Won't stop 'till it's over.

COUNTRY	GDP TRILLIONS USD	POPULATION MILLIONS
United States	17.914	80.62
Britain	2.678	64.1
France	2.806	66.03
Germany	3.73	80.62

Gross domestic product by nation.

4 MOVIE SCRIPT RECIPE

Catastrophe: Why did you take the plans for the Heisenberg device? You knew Lord Roy would use it for evil.

Arsyn: I'm not just another member of your squad, Cat.

Catastrophe: And so you kick your best friend out a thirteen-story window?

Arsyn: I am a superhero and you treated me like a sidekick.

Catastrophe: That was Welvin's decision, not mine.

Arsyn: I don't like Lord Roy any more than you do. But I will never work for Welvin Da Great again.

Catastrophe: Roy will destroy London!

Arsyn: Don't you think I know that? She sent me to patrol the city as it burns. I have my own squad now.

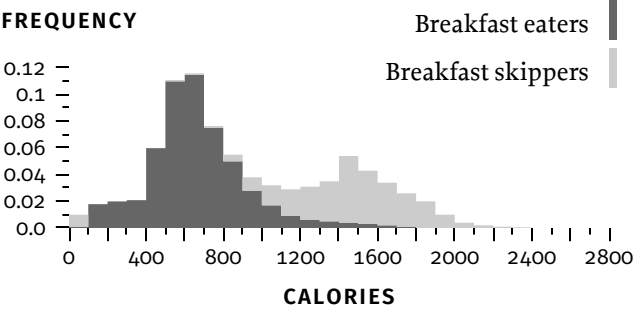Catastrophe: But we had … Squad Goals, Arsyn. *Squad Goals.*
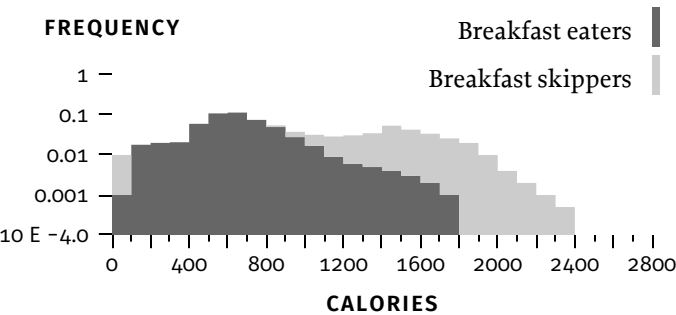
5 NUMBERED LIST

5.1 LEVEL 3 HEADING

These are some list items:

1. Item one.
2. Item two
3. Multiline list item (item 3) la la la, la la la. This is, my SNL monologue.
4. Item four.
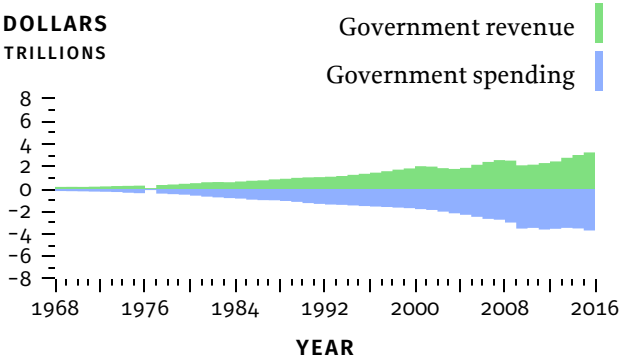1. The list can restart using the firstchild style.
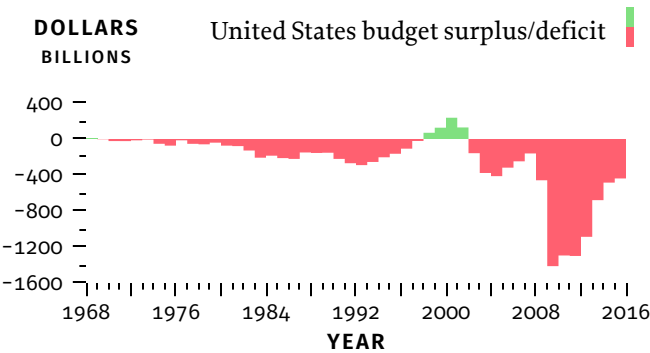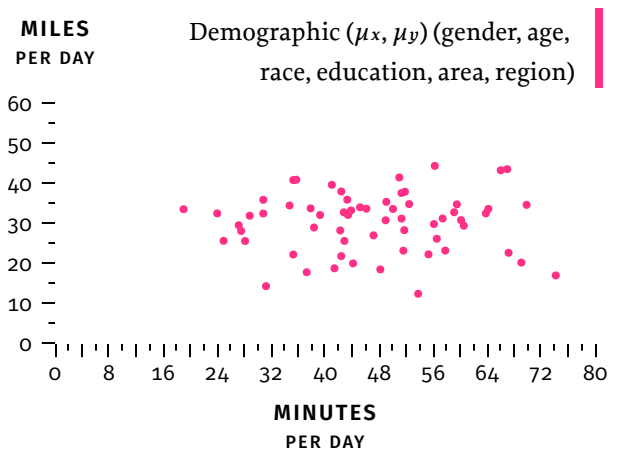2. And recount.

6 HISTOGRAM TESTING

DOLLARS
TRILLIONS

Government revenue

Government spending

Signed histogram.

FREQUENCY

Breakfast eaters

Breakfast skippers

CALORIES

Standard cumulative histogram.

DOLLARS
BILLIONS

United States budget surplus/deficit

YEAR

Double-sided histogram

FREQUENCY

Breakfast eaters

Breakfast skippers

CALORIES

Logarithmic histogram.

MILES
PER DAY

Demographic (μ_x, μ_y) (gender, age, race, education, area, region)

MINUTES
PER DAY

Standard scatterplot

MILES
PER DAY

Demographic (μ_x, μ_y) (gender, age, race, education, area, region)

10 E 6
10 E 4
100
1
0.01

-10 -2 6 14 22 30 38 46 54 62 70 78

MINUTES
PER DAY

Logarithmic scatterplot

MILES
PER DAY

Demographic (μ_x, μ_y) (gender, age, race, education, area, region)

10 E 6
10 E 4
100
1
0.01

0.01 1 100 10 E 4 10 E 6.0

MINUTES
PER DAY

Bi-logarithmic scatterplot with negative flooring

MILES
PER DAY

Demographic (μ_x, μ_y)

$f(x) = 2x$

$f(x) = 1.13x$

10 E 6
10 E 4
100
1
0.01

-8 0 8 16 24 32 40 48 56 64 72

MINUTES
PER DAY

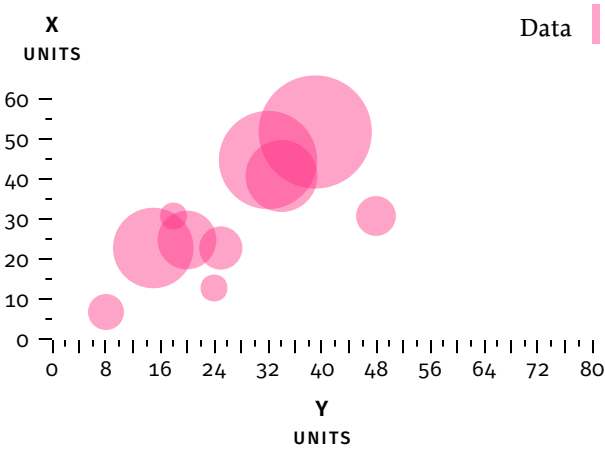**Logarithmic scatterplot with floored curve overlays**

y

10
8
6
4
2
-2
-4

-4 -2 O 2 4 6 8 10 12 x

$f(x) = \dfrac{x^2}{5} + 2$

$\mathrm{LRAM}_6 f(x)$

$\mathrm{RRAM}_6 f(x)$

Riemann sums.

y

6
4
2
-2
-4
-6

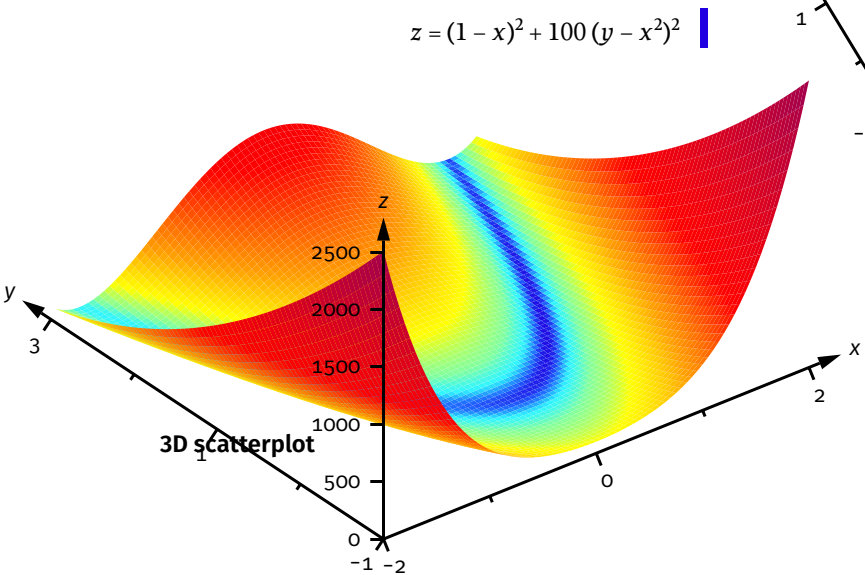-10 -8 -6 -4 -2 O 2 4 6 8 10 x

$f(x) = \sin x + x/3$

$x^2 + y^2 = 25$

$f(x) = \dfrac{1}{x}$
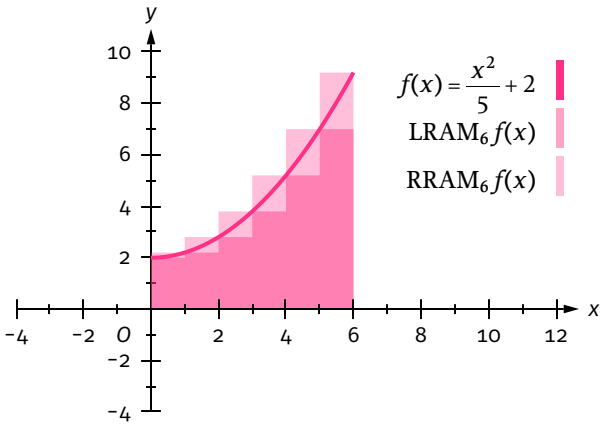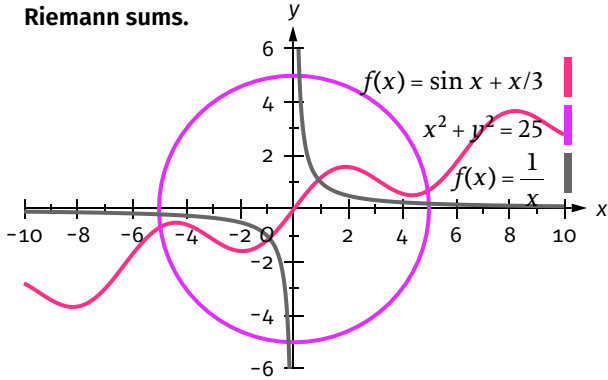
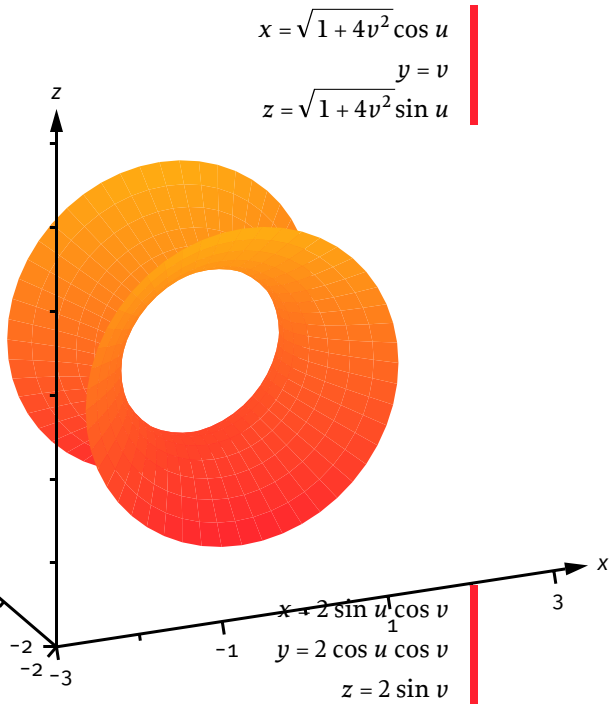**Functional/parametric plot**

X
UNITS

Data

60
50
40
30
20
10
0

0 8 16 24 32 40 48 56 64 72 80

Y
UNITS

Bubble plot

$$\frac{\mathrm{d}y}{\mathrm{d}x} = 1 - \frac{xy}{4}$$

$$x = \sqrt{1 + 4v^2}\cos u$$
$$y = v$$
$$z = \sqrt{1 + 4v^2}\sin u$$

Slope field plot

$$\frac{\mathrm{d}y}{\mathrm{d}x} = 1 - \frac{xy}{4}$$

$$x = 5\sin x$$
$$y = 5\cos x$$
$$z = \cos 4.75 x$$

$$x = 2\sin u\cos v$$
$$y = 2\cos u\cos v$$
$$z = 2\sin v$$

$$z = (1 - x)^2 + 100\left(y - x^2\right)^2$$
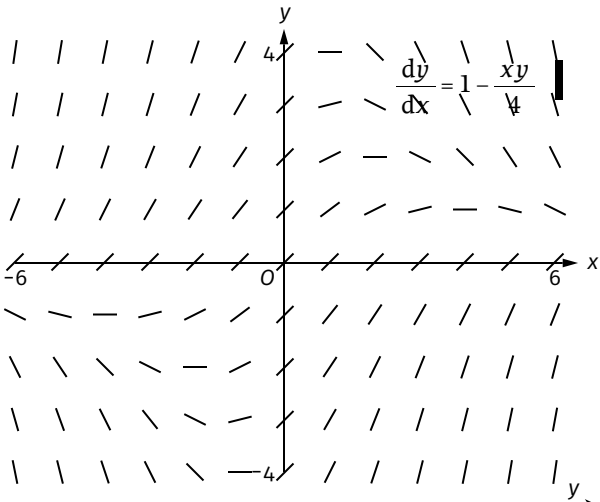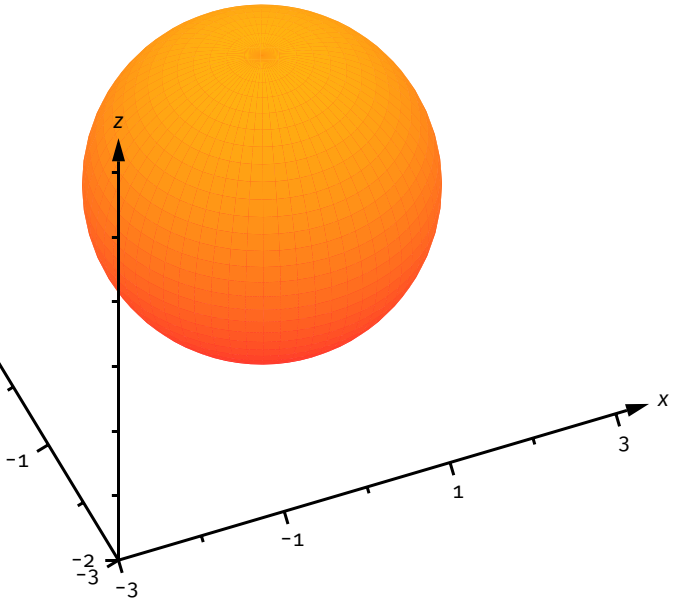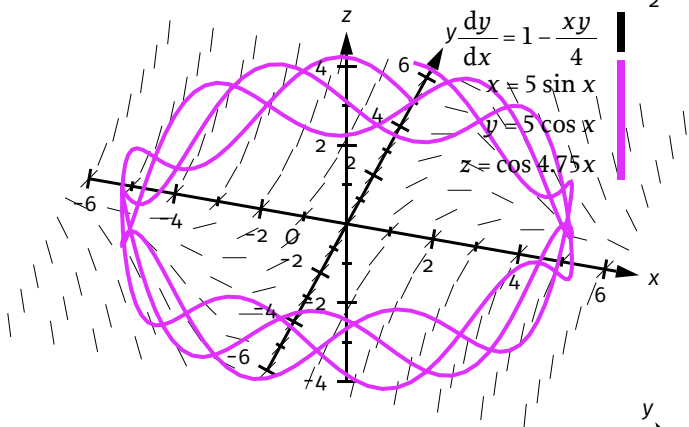
3D scatterplot
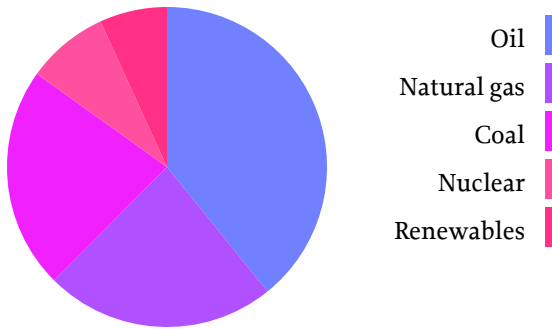
US energy consumption by type

Oil
Natural gas
Coal
Nuclear
Renewables
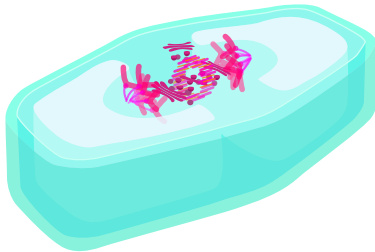

SVG rendering
A plant cell in the process of cell division. SVG rendering depends on the CairoSVG library.

Meredith Grey Swift is the older of Taylor Swift's two Scottish Fold cats. Her namesake is the *Grey's Anatomy* character Meredith Grey. She has a reputation for being rather grouchy and indifferent, in some contrast to her sister of the same breed, **Olivia Benson Swift**, named for the detective in the television series *Law and Order*.
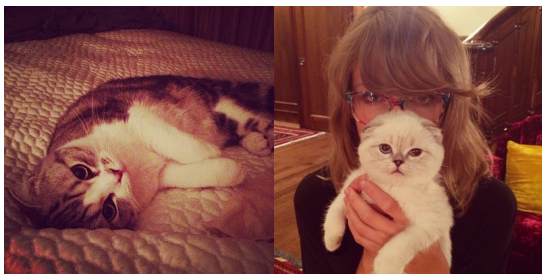
Bitmap (PNG, JPEG) tests 1, 2: Meredith and Olivia
Photographs of Meredith and Olivia from Taylor's instagram. Olivia has since grown and accordingly soured in demeanor.