A MATH CIRCLE IN AN ELEVATOR

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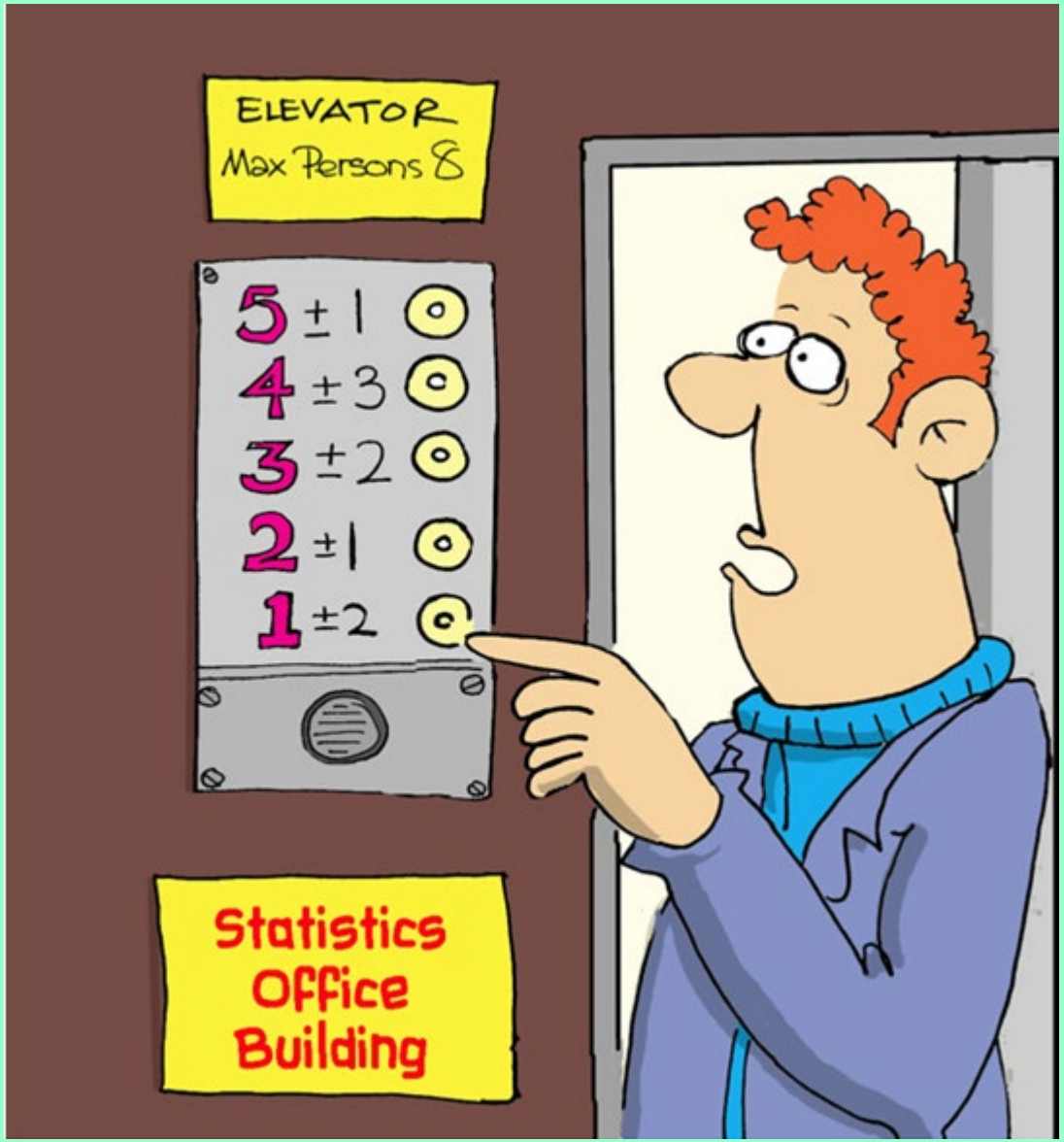
Imagine an Elevator in a busy Building.

- People come and go constantly
- You have at most 30 seconds!
- We must recruit them to think!
- Think about something fun!
- Get in touch thinking or not!
- So let’s play dodgeball!



A virtual competition where you provide a digital strategy

IN JUST 6 DIGITS!!!

So
Come
On
Board!


CHOOSE
YOUR
FLOOR!

IN THE FOLLOWING GAME

Players get energy by eating grass

Energy allow you to move

When objects collide
the more energetic one wins

But you the player are special!!

Can your dodging/playing strategy keep
You above the chaos like a powerful ninja!?

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They will see the
game play randomly while
on the elevator! Each players
Performance and their overall
standing can be recorded in a
Short video that will be sent to them.

The platform is NetLogo.

NetLogo is an open source platform
for agent based modeling

Agent based modeling is a form of
programming where you specify
rules of behavior for individual agents
in some large environment.

At each tick of the master clock the
agents carry out a behavior
in some random order and the
system keeps track of changes
and any statistics you like.

Simulations with NET LOGO:

A murmuration of starlings

Fireworks

Kaleidoscope

A school of fish

It’s a small world after all

Ant colonies

Chemical reactions

Bee colonies

Voting

Pachinko Machine

Wolves & Sheep

Spread of Rumors

Spread of a virus

Traffic Jams and Rush hour

Crowd control

Evolution

Behavior of a Forest Fire