Sunday News No. 20

Random notes from random sources

This is a fantastic piece at every level (sports, data, visualization, strategy, communication): how data changed the NBA
https://twitter.com/TheEconomist/status/1070649054013599744

Newcomers can check previous Sunday News editions at
https://myexplora.live/2018/09/08/explora/#more-10.   Sunday News is a selection of links posted daily by the Explora community at
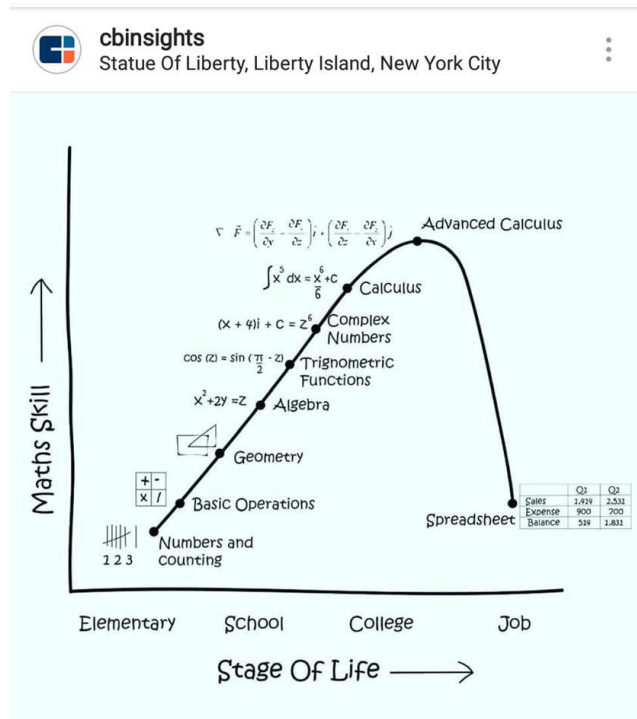https://www.facebook.com/groups/183536175571026/.   I can add you if you want.

Have a Great Sunday

Antonio Camara

On Education
Cynical but true for most people. Unfortunately, mathematics teaching is not contextual. However, I find logic, set theory, graph theory, decision theory and optimization underlying my most used mental models. Back of the envelope approaches come second. (https://en.wikipedia.org/wiki/Back-of-the-envelope_calculation). Fundamental economic concepts are next (supply-demand, cost-benefit, opportunity cost, interest rates, law of diminishing marginal returns). To generate new ideas, it is always helpful to understand the pillars of knowledge: the equations that changed the World (https://tinyurl.com/ybupfhz7). Everyone should learn machine learning in the future

Playfulness is key
https://tinyurl.com/yahejwr4 and https://tinyurl.com/y8ydv4gz

Curiosity breeds creativity
https://tinyurl.com/yaj9xytn

Cognitive biases
https://tinyurl.com/y8kp6vlc

"Just" 29 ways of how American schools fail students (not very different from Portugal)
https://tinyurl.com/ycakg9z6

250 Ivy League courses for free
https://tinyurl.com/y75vcmew

Information is beautiful, via Margarida Guerra
https://informationisbeautiful.net/

Mobility
Micro vehicles rule. Lime and Bird are now worth 10 B
https://tinyurl.com/y8bp7oe2

UPS tricycles
https://tinyurl.com/ybocsll6

Hydrogen fuel development
https://tinyurl.com/ycs8zqvx

The amazing psychology of Japanese train stations
https://tinyurl.com/y8mw3gmk

Food and drink
Saving coffee
https://tinyurl.com/y7vj5e2d

How restaurants became so loud
https://tinyurl.com/y9mtatdb

The AI that knows what you want to eat
https://tinyurl.com/y9bhll48

Making food with bioreactors in Mars
https://tinyurl.com/y9ojw3t7

Cities, Nature and Clean Tech
Catarina Mota's (a former star PhD student of mine) Open Building Institute takes off: an open source effort to make ecological affordable housing widely available
https://www.openbuildinginstitute.org/

Blockchain mapping of cities to track everything
https://tinyurl.com/ybsmkeuu

Bike commutes and energy harvesting for your neighborhood
https://tinyurl.com/y7avx9ke

Non-human intelligence of octopus
https://tinyurl.com/y98g9ol4

Sun in a box
https://tinyurl.com/ybtyv42d

How to sell climate change and save the Planet
https://tinyurl.com/y7xbmuab

Developing companies
Paid marketing addiction is dangerous
https://tinyurl.com/yboc53v5

Centralization vs. decentralization: the crypto tech stack
https://tinyurl.com/ybpk58g6

Ten Year Futures by Benedict Evans (questionable but useful)
https://tinyurl.com/y7anp7d6

The state of European tech 2018
https://tinyurl.com/y9jx9boj

Business models for the Internet in India (i.e., how to make money with the rich and poor)
https://tinyurl.com/ybymoeqp

AR/VR/AI
AI software that dreams up digital Worlds from a simple sketch
https://tinyurl.com/ybpve96r

A VR cheat sheet
https://tinyurl.com/yaa4utbt

Sundance Festival 18 VR/AR experiences
https://tinyurl.com/ybncjwus

Bose AR glasses
https://tinyurl.com/yaygdby7

Walmart cleaning robots
https://tinyurl.com/y8u2bnwh

AI for Art
https://tinyurl.com/y9b7akfj

Neural ordinary differential equations: one of the most novel AI papers of the year
https://tinyurl.com/yczm9w8m

The limits of deep learning
https://tinyurl.com/yaunarqt

Far out
Fantastic article about human experience
https://tinyurl.com/ybc8ejgb

Attention as a resource versus attention as an experience
https://tinyurl.com/y8l5bwfv

Gene editing sperm by Harvard ("we" Harvard really don't care what you may think)
https://tinyurl.com/yc4hrrme

New materials for soft robotics
https://tinyurl.com/ydbzfu7t

Plants driving robots
https://tinyurl.com/ycl8mlw7

Another sign that the apocalypse is upon us: naming babies after healthy food
https://tinyurl.com/y9zderph

Playlists
Gifts for cat lovers
https://tinyurl.com/yca7bebq

YouTubers of the Year
https://tinyurl.com/y835qfv3

YouTube videos of the Year
https://tinyurl.com/y9qyys7j

NYT Movies of the Year
https://tinyurl.com/yb97sd5z