

Cat Modelling With Python

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[github.com/\[swfiua|peakrisk|openbermuda\]](https://github.com/swfiua/peakrisk/openbermuda)

Cat or Catastrophe



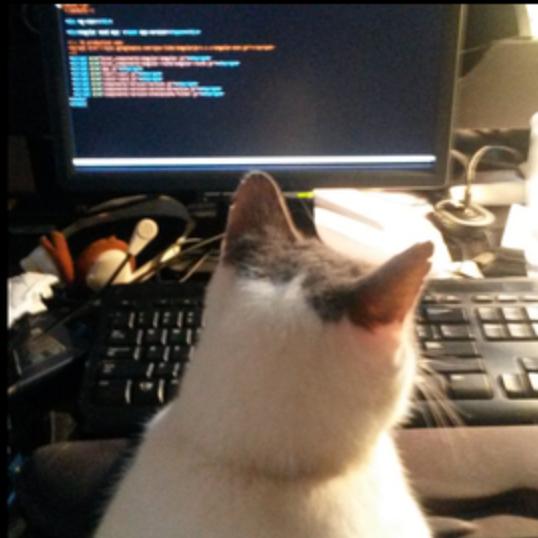
A brief history of cat modelling

.....perl and python



TCL and Tk.....

History and maths



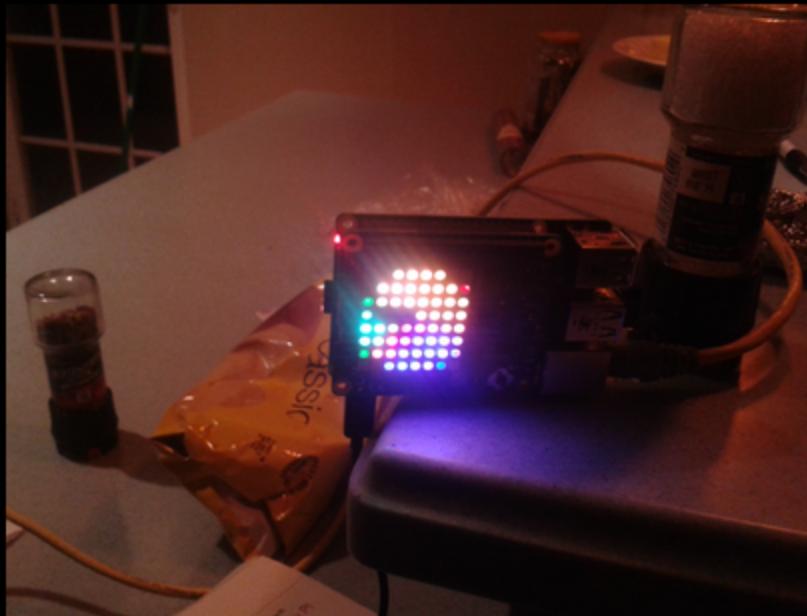
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Old School



Supercomputers



SGI Challenger

Memory: 256 MB

Flops: ?MFLOPs

Disk: 3 GB

Raspberry Pi

Memory: 1 GB

or

Flops: ?GFLOPS

Disk: 32GB

Linux

Redhat 4.1

64MB memory

intel pentium?

<1GB disk

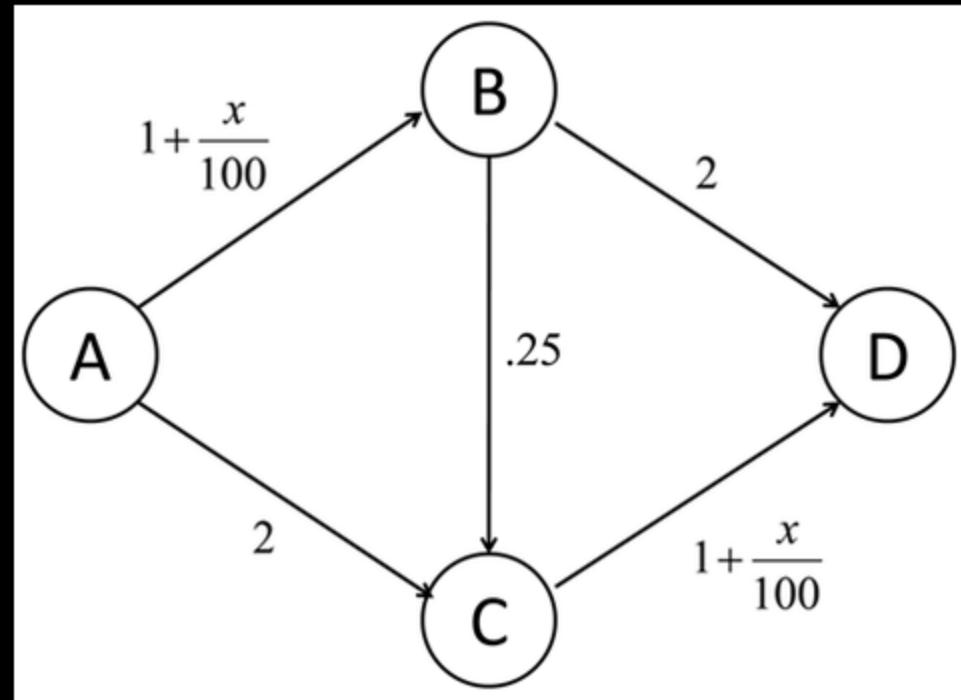
C++ (oops!)

Galois

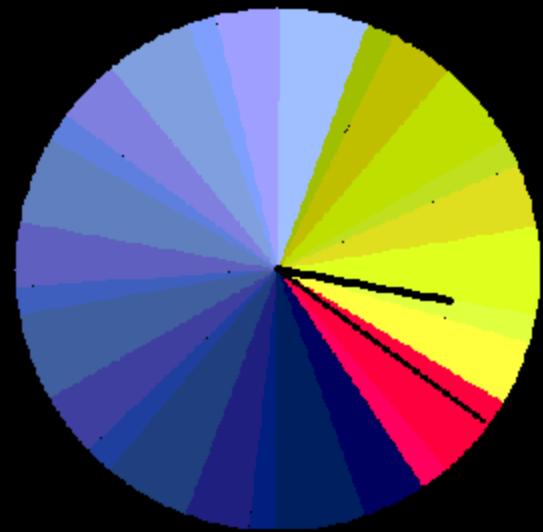
RedHat 5.1 with Dell
36GB Disk
512MB RAM
1 Xeon? cpu



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Tickle and Compass



and

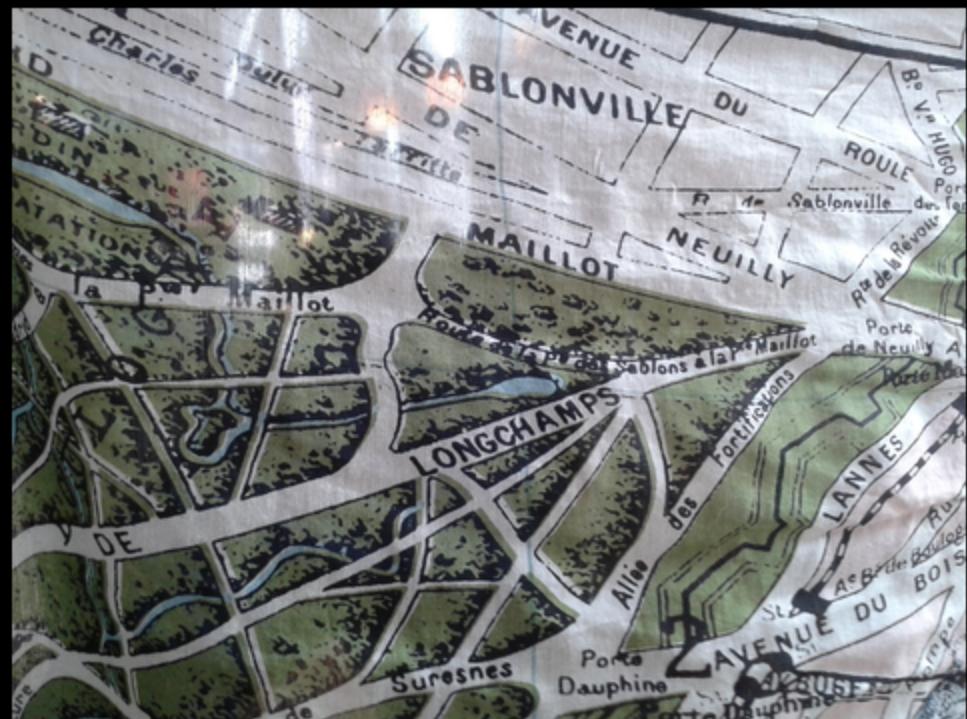


Python and GPS

python 2.x with added GPS



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Event driven development



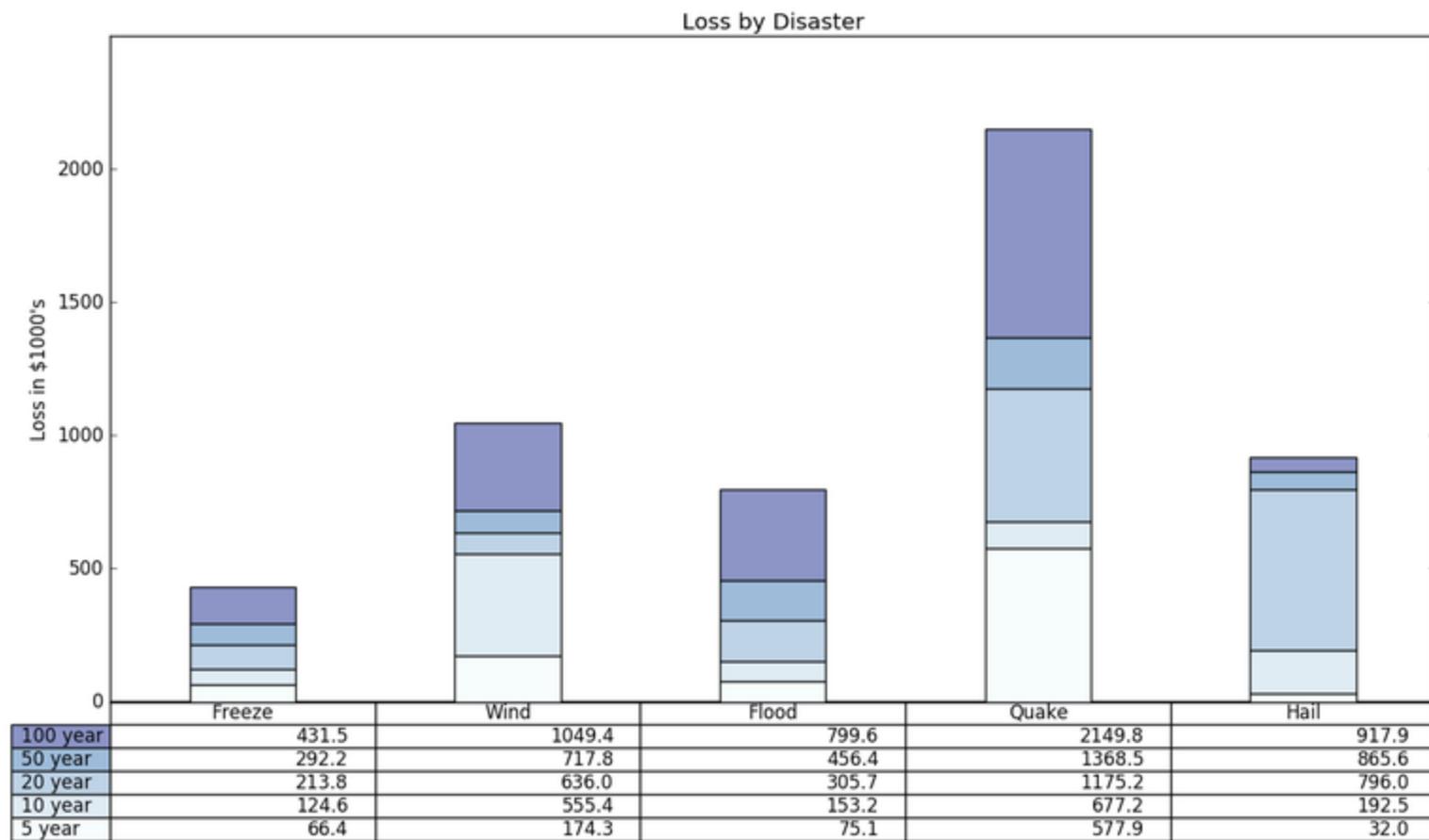
Catastrophes change plans

Plotting for fun and profit

Chaco to matplotlib



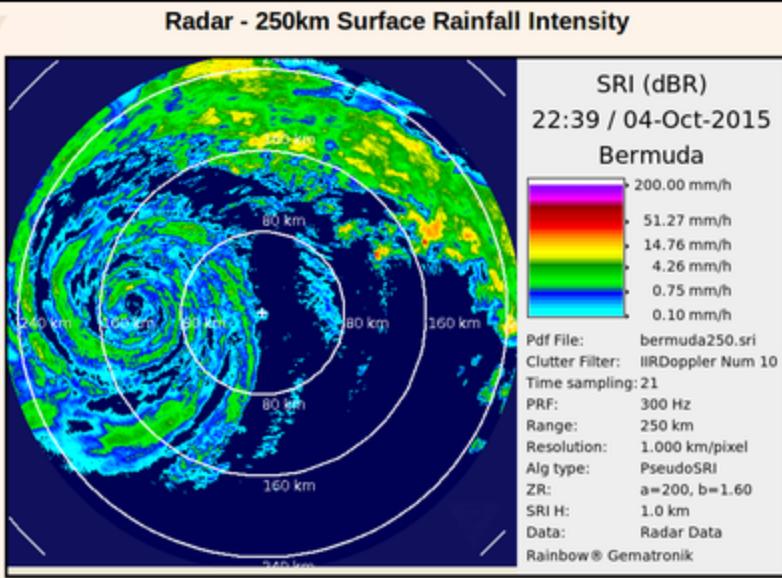
Matplotlib and the tale of the stacked bar chart



Claims 2

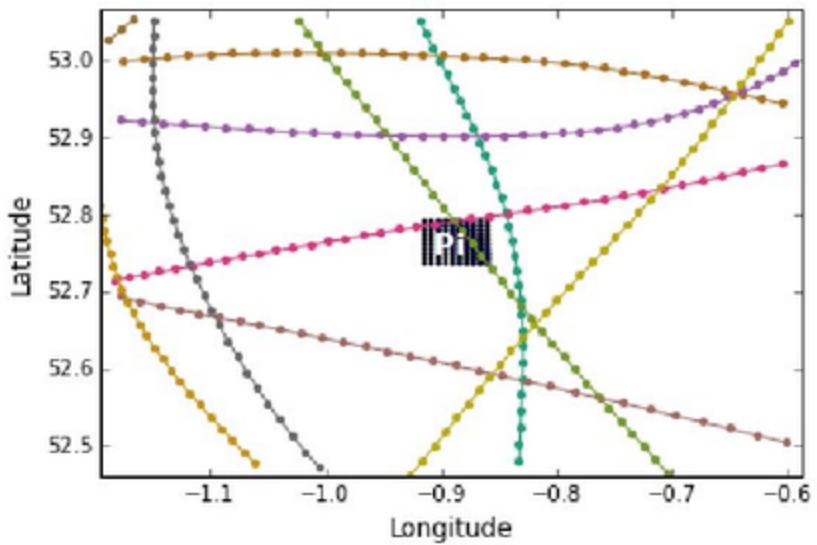


The year of the four hurricanes



The Town of Pi

Windstorm Tracks



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Melton Mowbray Pi

Earthquakes in Christchurch



Cats come in threes

Black box models



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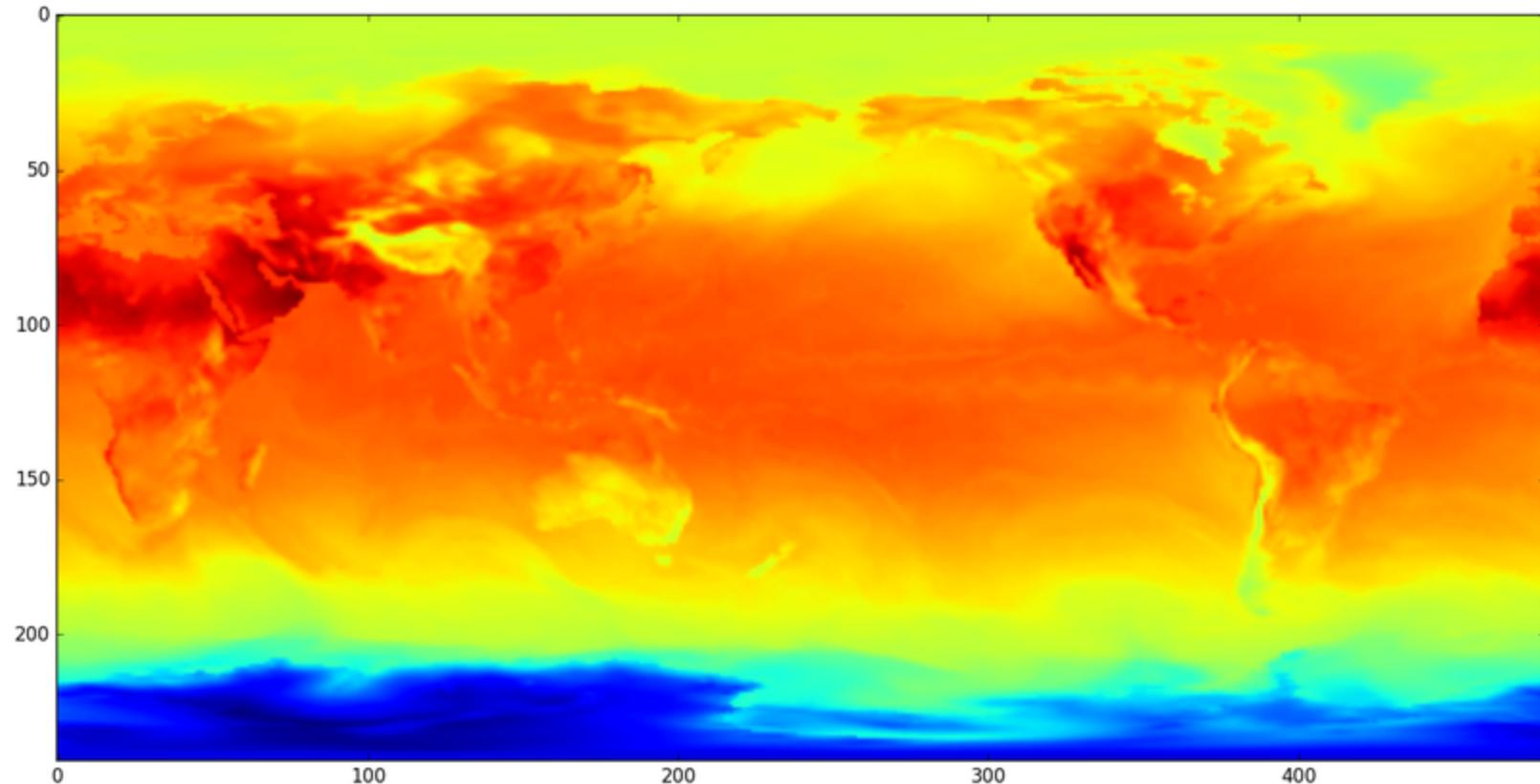
The present



and



Heating up

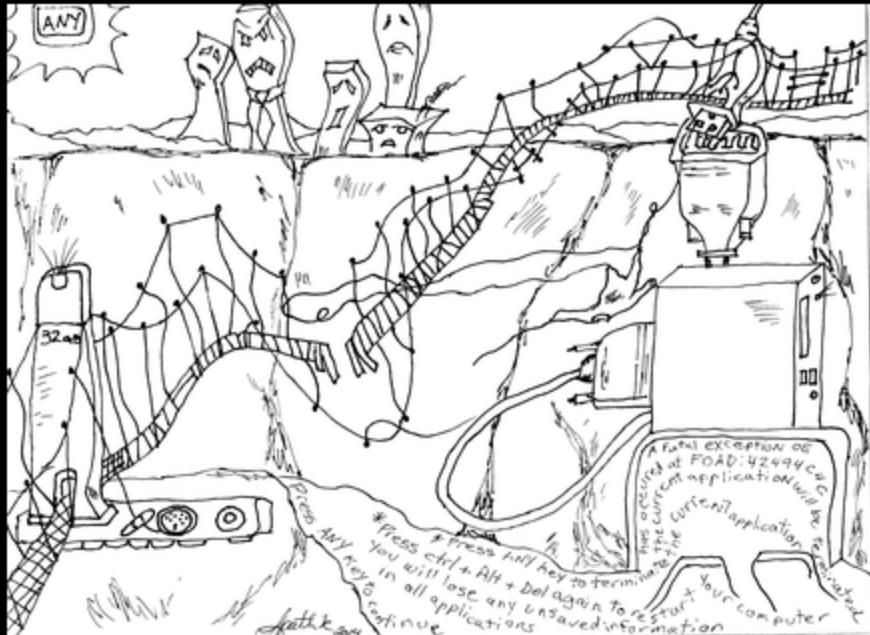


Cyber

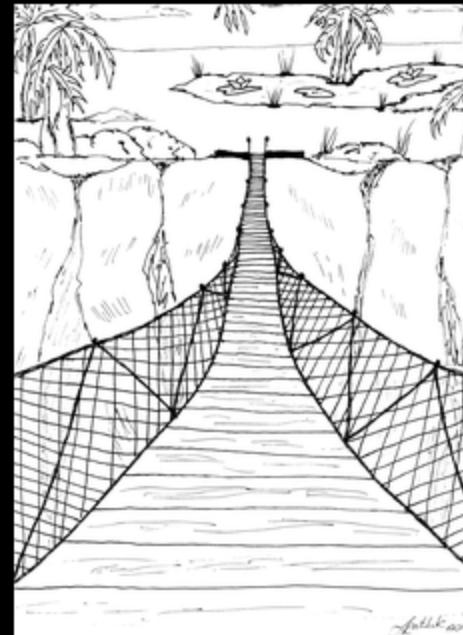


feedback loops and control

Oasis



or



Pandas and Jupyter



and



Karma Cat



John Hunter and Peter Taylor



Ripples in space time, shaping our future

Everest



Explore, Dream, Discover



*"Throw off the bowlines. Sail away from the safe harbor.
Catch the trade winds in your sails. Explore. Dream. Discover."*

Quote attributed to Mark Twain

Public art created by local children
during the 2014 Argo Gold Cup
Family Festival of Sail under the
direction of artist Kendra Earls

Kindly donated by:
Mike & Rosalind Collins

Sunshine

