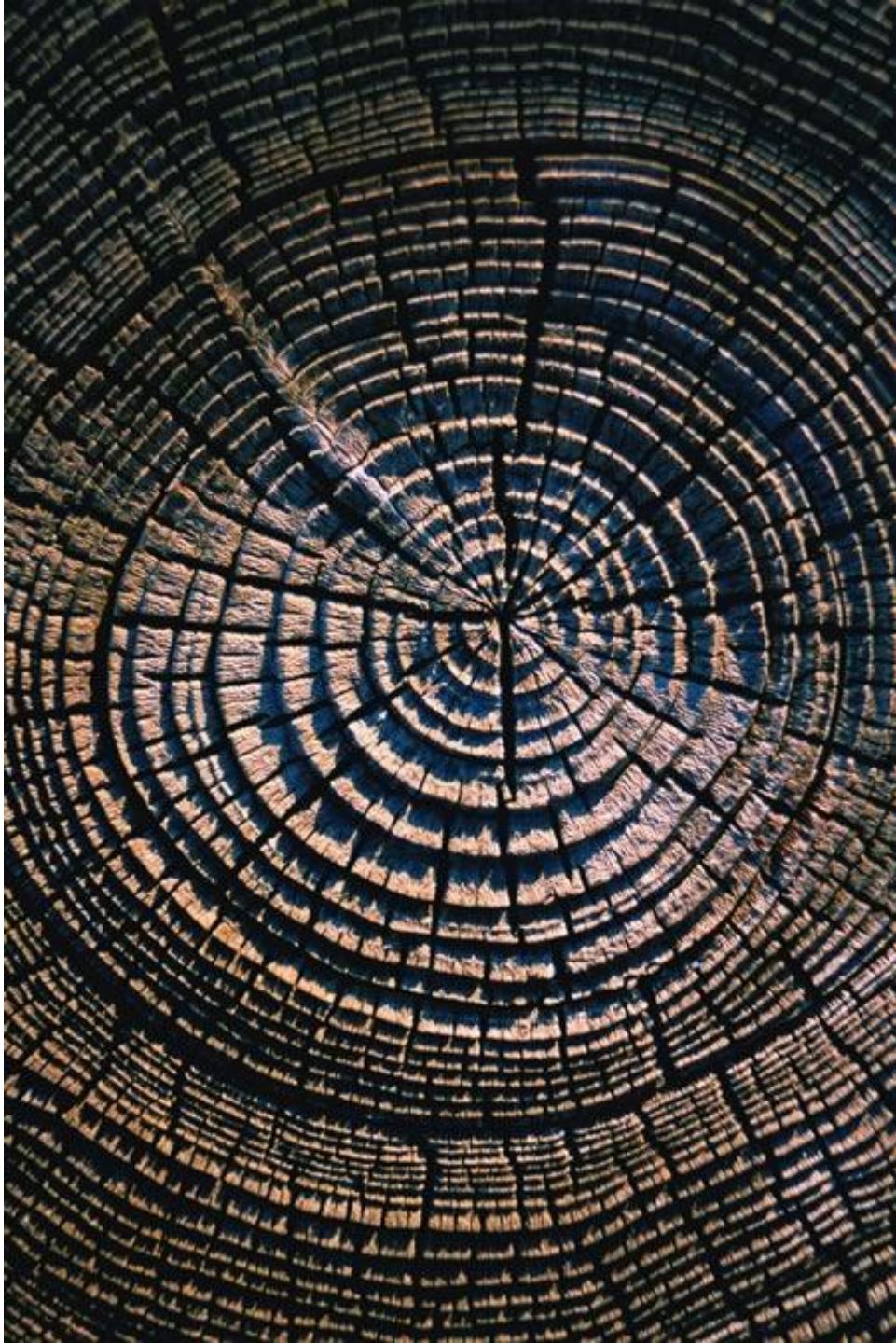


Tangible Statistics with MakerBot

Zürich MakeOpenData 2012

@tamberg



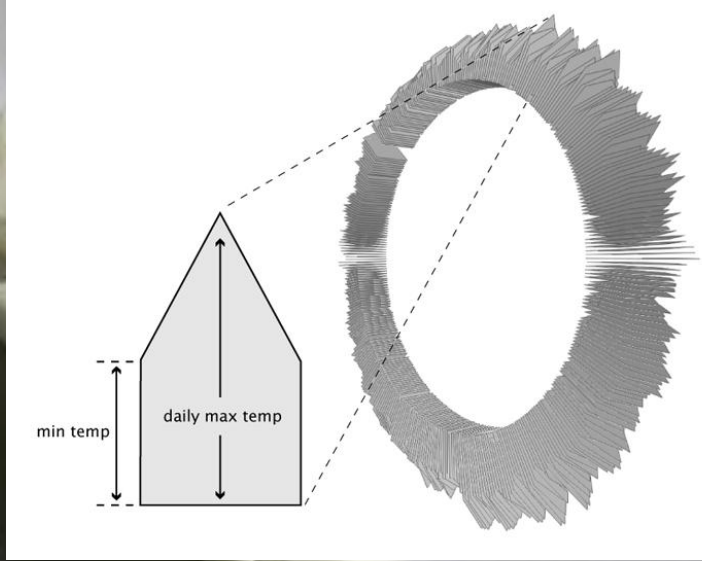
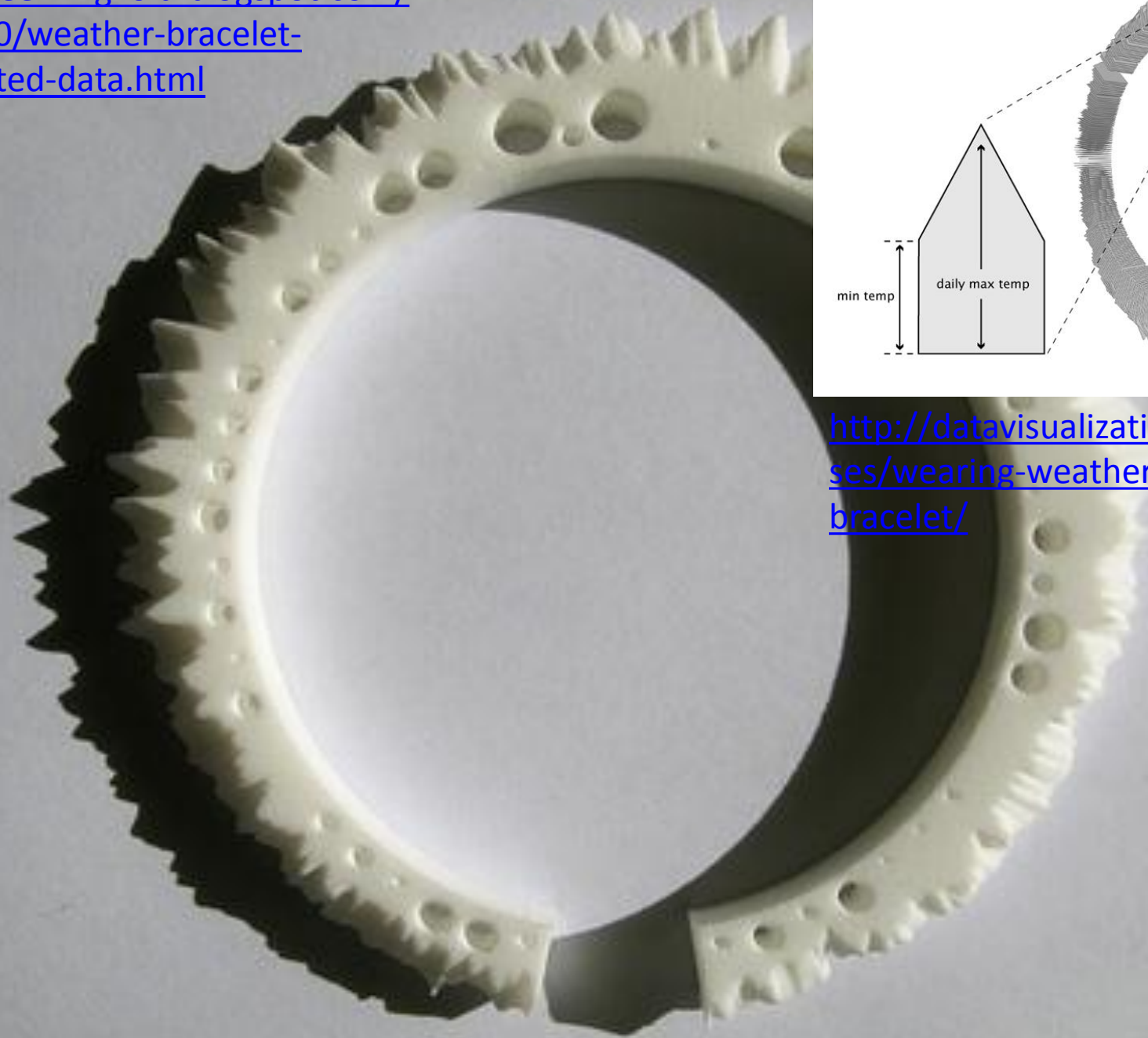
Make open data easier to grasp

Open data

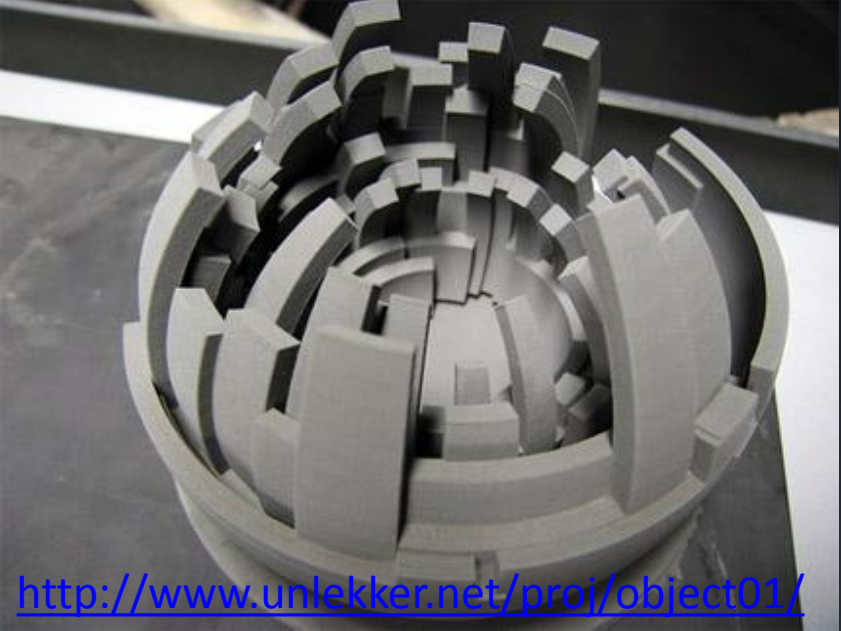
+ 3D printing

= Tangible statistics

<http://teemingvoid.blogspot.com/2009/10/weather-bracelet-3d-printed-data.html>



<http://datavisualization.ch/showcases/wearing-weather-data-as-a-bracelet/>



<http://www.unlekker.net/proj/object01/>



<http://iohidesign.carbonmade.com/projects/2263837#1>



<http://violent-buddhist.tumblr.com/post/15122869180/violent-buddhist-sound-as-object>

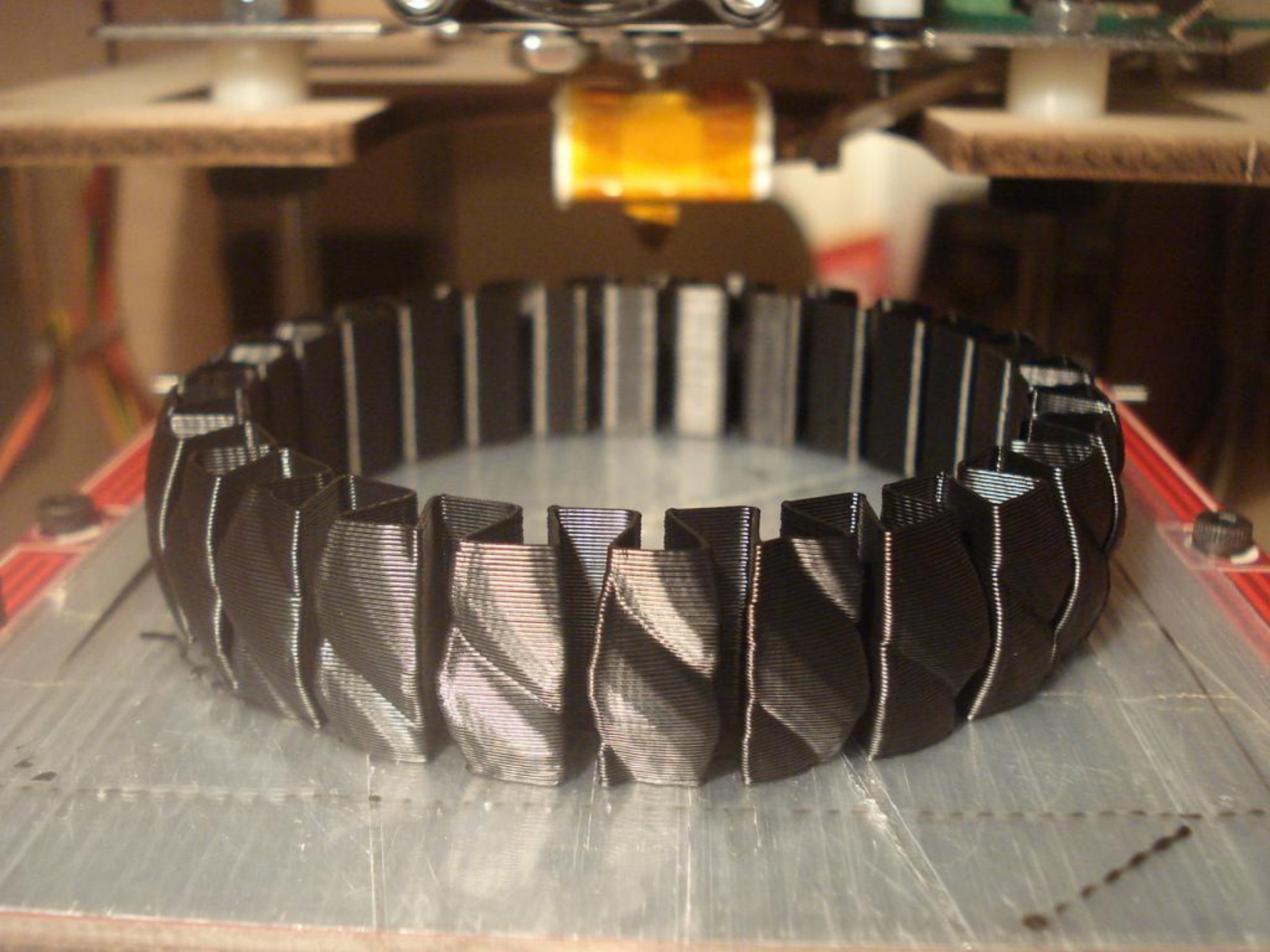
MakerBot

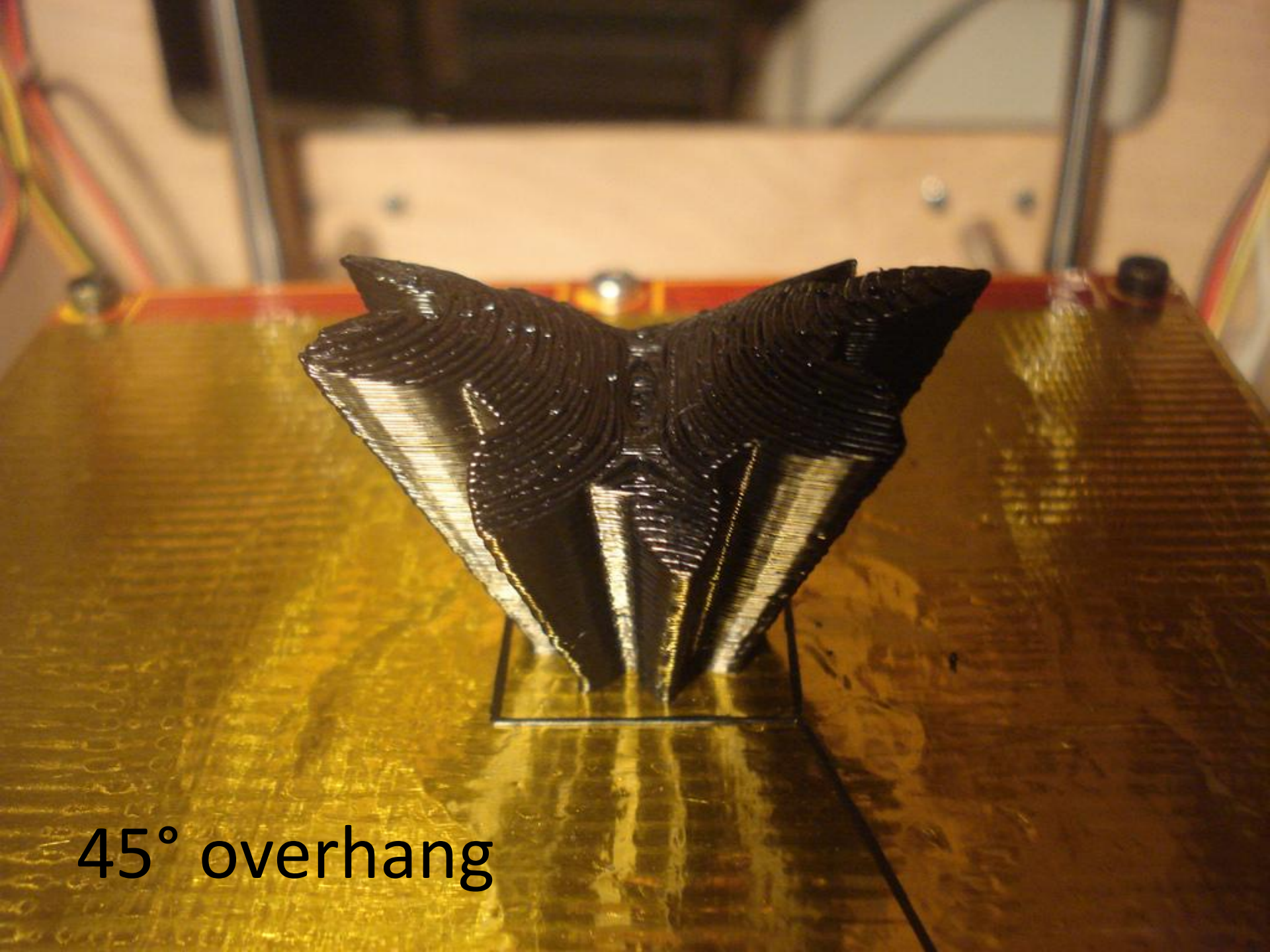
DIY 3D printer

Open Source HW

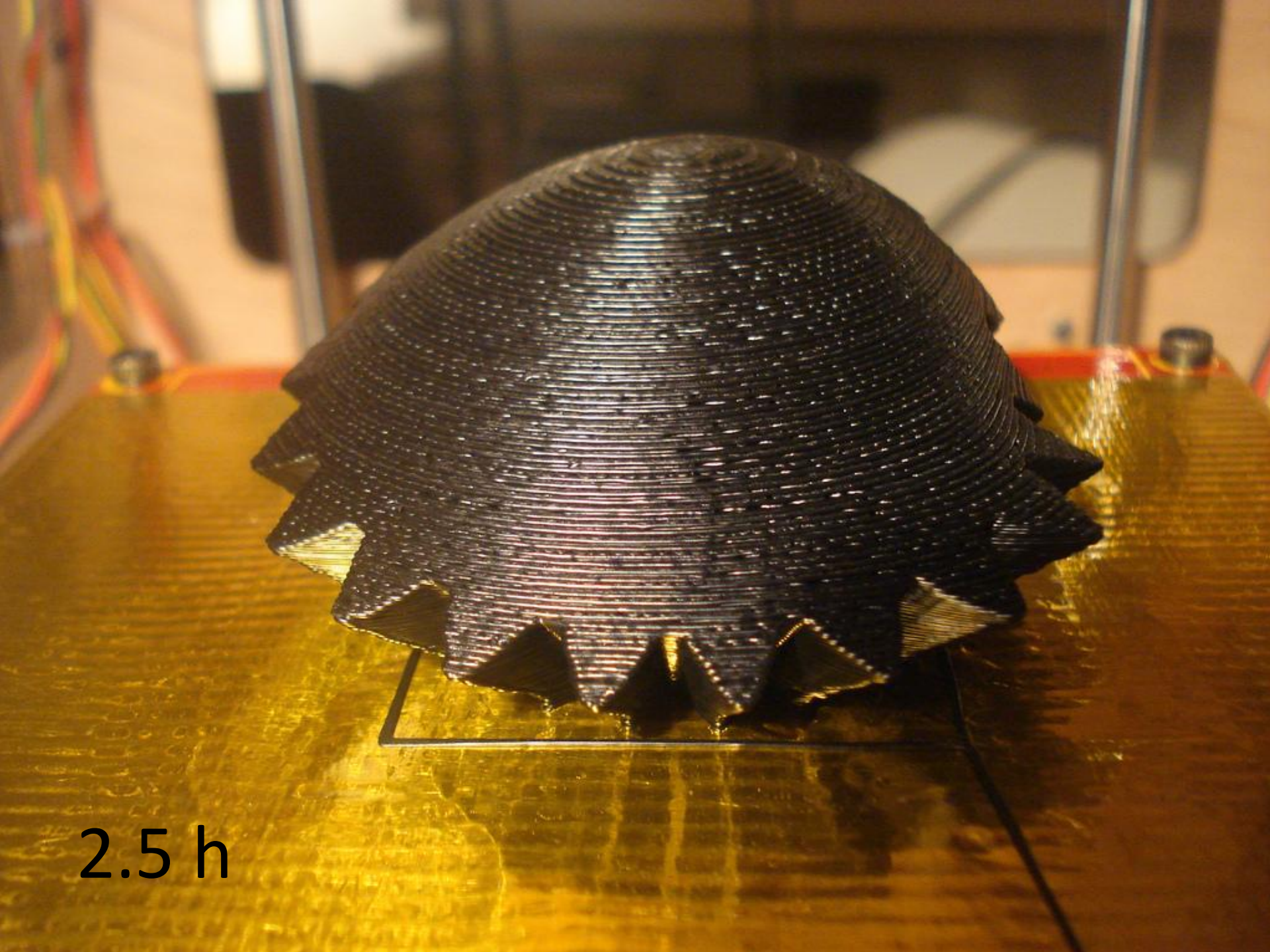
NYC Resistor, 2009







45° overhang



2.5 h



<http://workshop.evolutionzone.com/>

<http://www.thingiverse.com/thing:6153>

<http://www.thingiverse.com/derivative:8672>

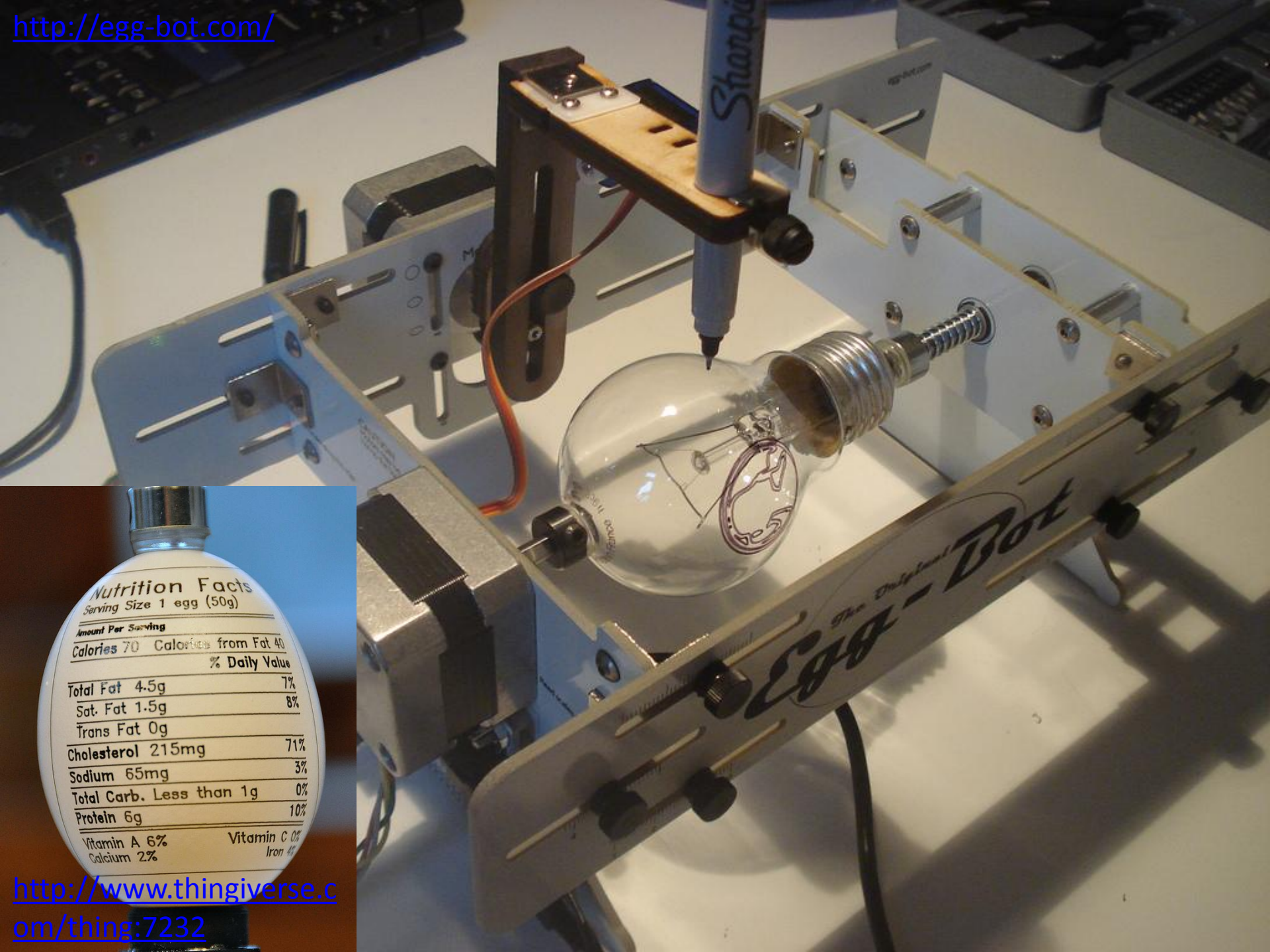
Join!

Data set / visualization ideas

Parametric 3D modeling

Ruby / Processing

Mac





Resources

<http://davemenninger.blogspot.com/2010/04/fun-with-processing.html>

<http://www.local-guru.net/blog/2010/03/28/generating-3d-objects-from-heightfields>

<http://sketchup.google.com/>

https://developers.google.com/sketchup/docs/tutorial_geometry

<http://code.google.com/p/codeandform/>

[http://en.wikipedia.org/wiki/STL_\(file_format\)](http://en.wikipedia.org/wiki/STL_(file_format))