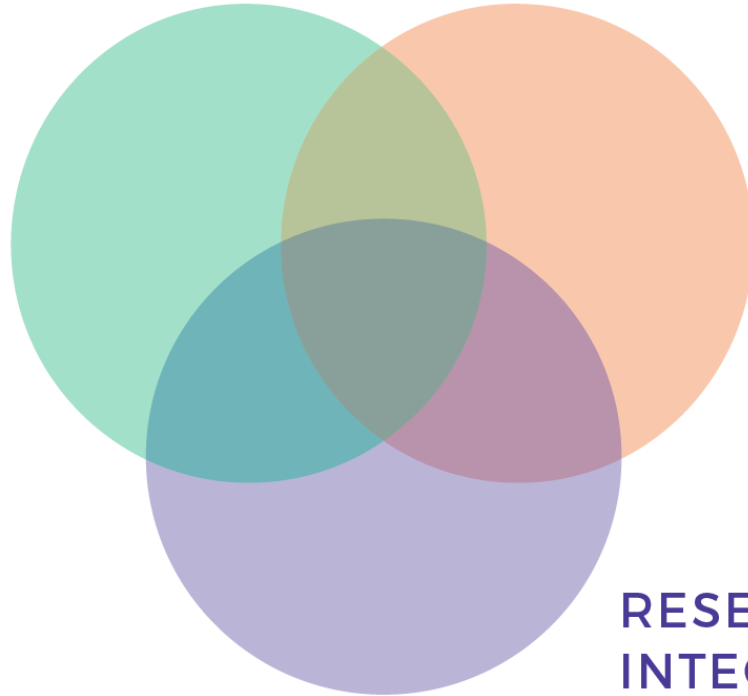


# Explaining things clearly

Design tricks by a non-designer

**ACADEMIC  
PHILOSOPHY**



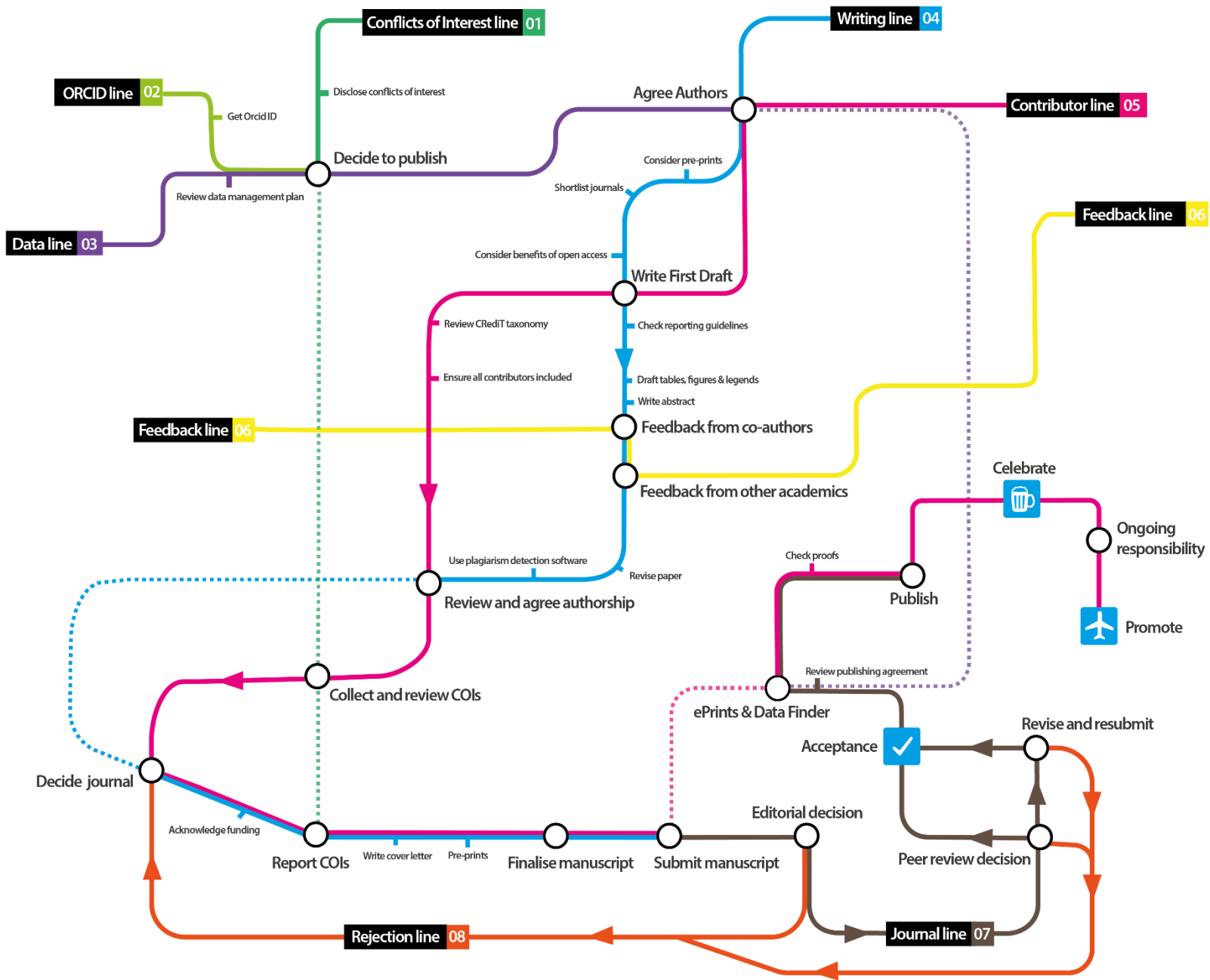
**INDUSTRY  
PORTS, ETC.**

**RESEARCH  
INTEGRITY**

**1**

You don't just give them  
flour, butter, eggs, and sugar;  
you **bake the cake**  
with them.





## LEGEND - MORE INFORMATION

LINE	ISSUE	HYPERLINKS
01	Conflicts of interest	<a href="#">QUT COI Policy</a> <a href="#">QUT Research COI guidance</a> <a href="#">NHMRC guidance</a>
02	ORCID	<a href="#">ORCID website</a>
03	Data management	<a href="#">QUT Policy</a> <a href="#">Australian National Data Service</a> <a href="#">NHMRC Statement on Data Sharing</a>
04	Writing & open access	<a href="#">ThinkCheckSubmit</a> <a href="#">Australasian Open Access Strategy Group</a> <a href="#">EQUATOR network</a>
05	Contributors & authors	<a href="#">QUT Authorship Policy</a> <a href="#">CASRAI CRediT</a>
06	Feedback	
07	Journal & peer review	<a href="#">QUT Peer Review Policy</a> <a href="#">QUT ePrints</a> <a href="#">COPE Peer Review Guidelines</a>
08	Rejection	<a href="#">Thesis Whisperer: coping with rejection</a>

### About this map

This map has been created to complement QUT's Authorship & Publication training. It provides a framework to help explain and discuss the complex world of academic publication.

Of course, this map is only a tool. In reality, the issues and connections are both more numerous and more tangled than what is represented here. Our hope, however, is that this document is a useful tool for researchers who want an overview of a very complex and important topic.

In the legend on the right-hand-side you will find hyperlinks to resources and tools.

Much more information can be found on the Library and OREI websites:

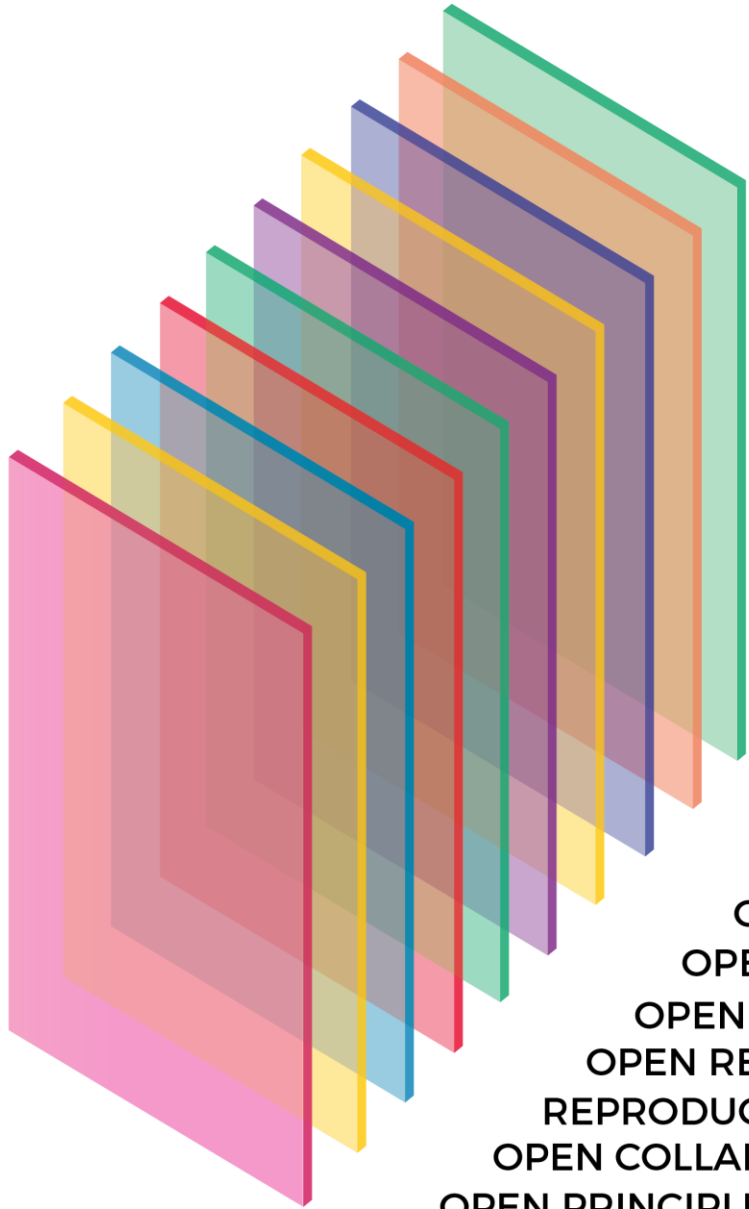
[www.library.qut.edu.au/research/](http://www.library.qut.edu.au/research/)

[www.orei.qut.edu.au](http://www.orei.qut.edu.au)

- a** You have a list of things.
- b** What is the structure of the list?
- c** Get a metaphor for the structure.

# OPEN SCIENCE MOOC MODULES

1. Open Principles
2. Open Collaboration
3. Reproducible Research and Data Analysis
4. Open Research Data
5. Open Research Software and Open Source
6. Open Access to Research Papers
7. Open Evaluation
8. Public Engagement with Science
9. Open Educational Resources
10. Open Advocacy



# OPEN SCIENCE MOOC

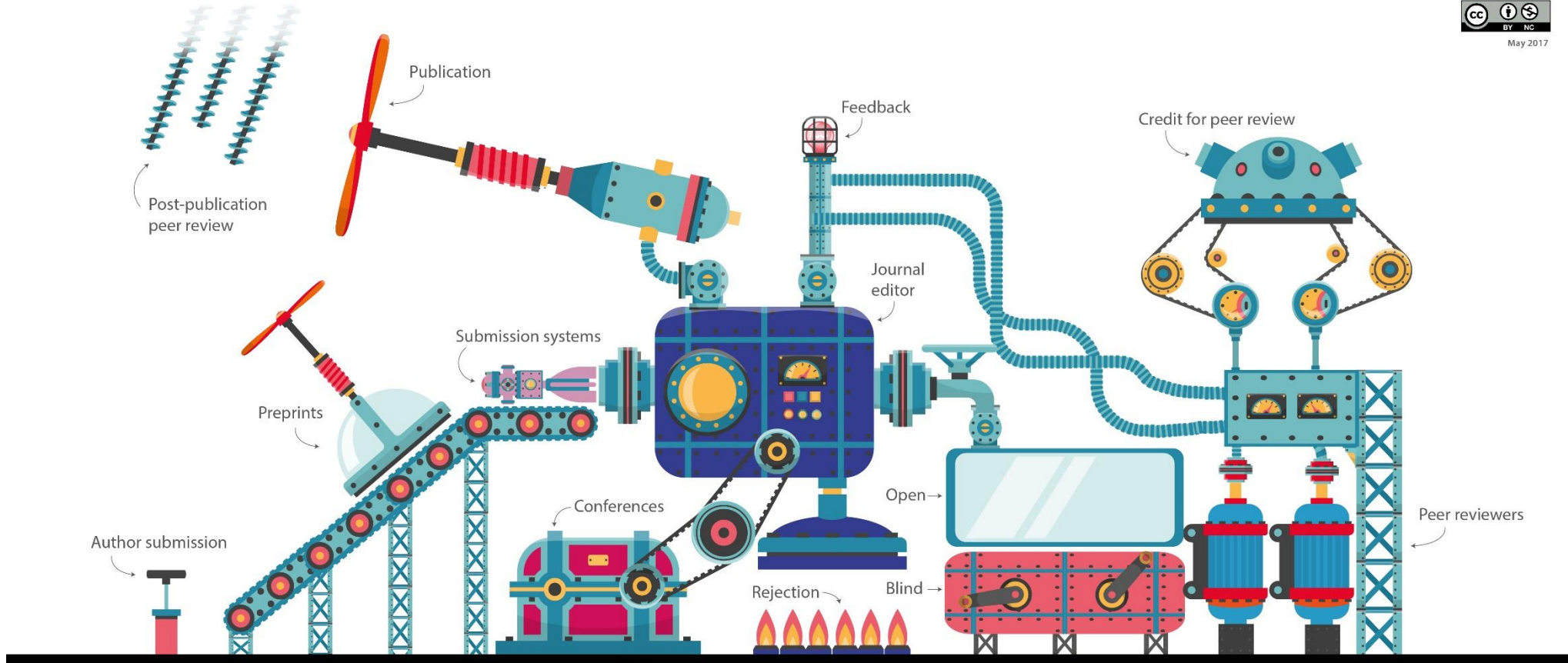
FREE | OPEN | LEARNING

OPEN ADVOCACY  
OPEN EDUCATIONAL RESOURCES  
PUBLIC ENGAGEMENT WITH SCIENCE  
OPEN EVALUATION  
OPEN ACCESS TO RESEARCH PAPERS  
OPEN RESEARCH SOFTWARE & OPEN SOURCE  
OPEN RESEARCH DATA  
REPRODUCIBLE RESEARCH & DATA ANALYSIS  
OPEN COLLABORATION  
OPEN PRINCIPLES



# Journal Peer Review

QUT Library and Office of Research Ethics & Integrity



## What is peer review?

Peer review is a process in which academic research is subjected to critical evaluation by other academics. More precisely, it is the impartial and independent assessment of research by others working in the same or a related field<sup>1</sup>.

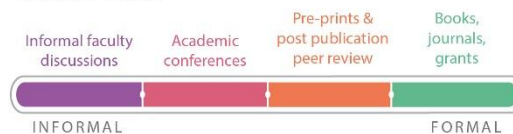


The aim of peer review is to ensure, as much as possible, that academic work is rigorous, accurate, credible, and trustworthy. It is a quality control mechanism, and it provides some confidence for the public when they read about academic findings.

<sup>1</sup>Australian code for the responsible conduct of research

## Informal | formal

Peer review can occur in many different contexts, ranging from informal to formal.



The information in this course relates primarily to journal peer review, at the formal end of the spectrum. However, the same basic principles apply to all kinds of peer review.

## Principles

### Fairness

Peer review should provide a fair, clear, constructive, objective, and accurate assessment.

### Competence

Peer review should be performed by academics who are sufficiently competent in the field to make an informed assessment.

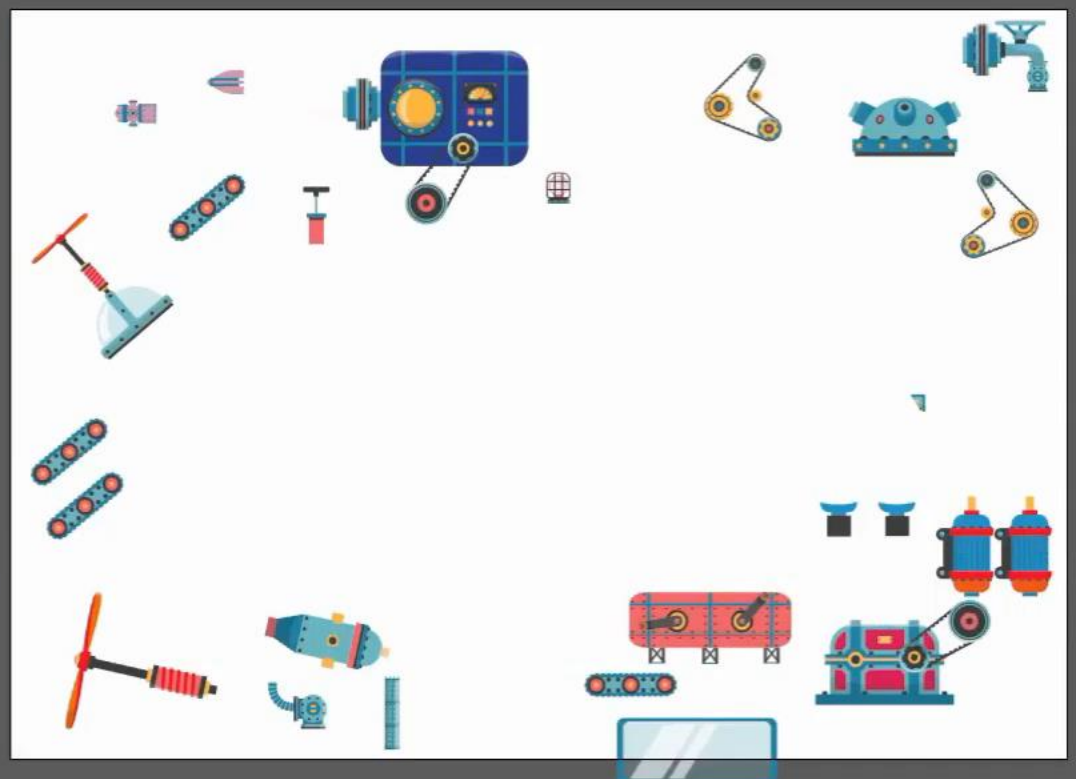
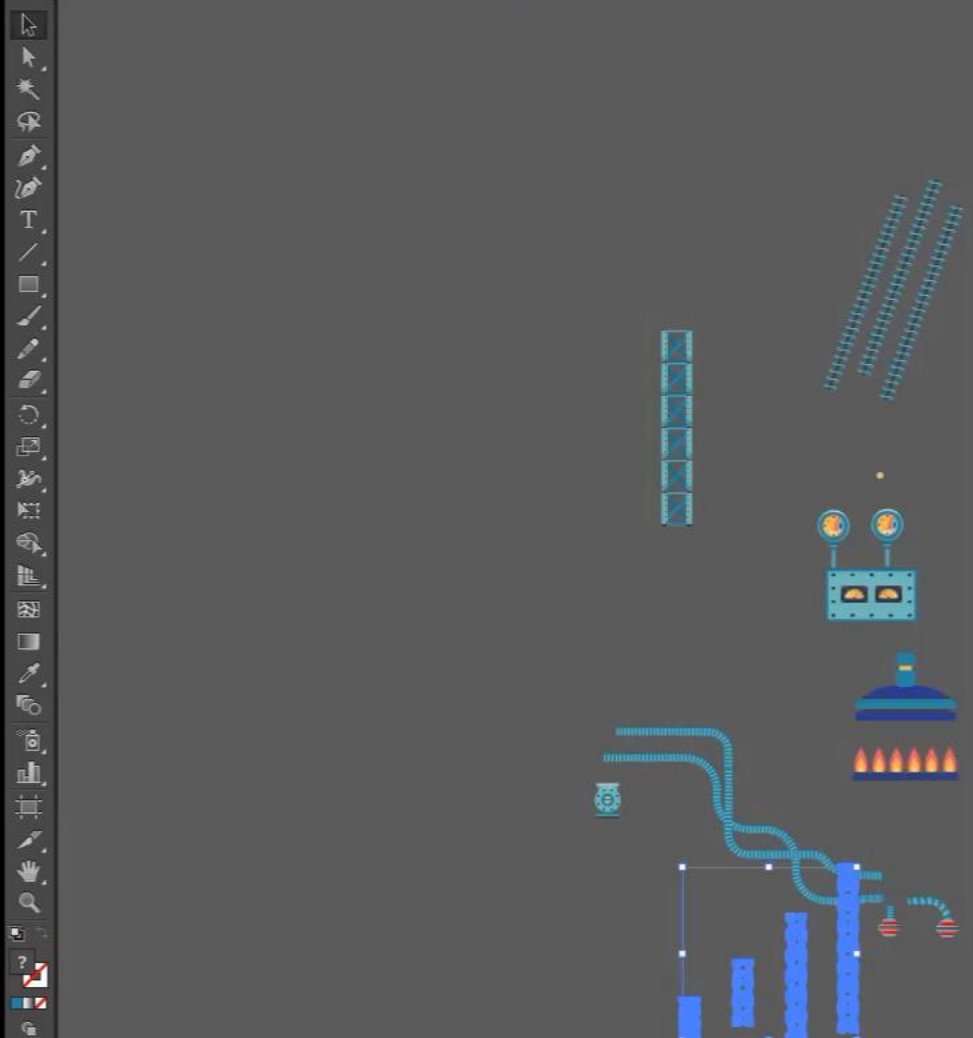
### Transparency

Authors and reviewers should be transparent about any perceived or actual conflicts of interests.

### Confidentiality

Reviewers should maintain confidentiality about the content of the work, and not use information obtained by peer review for personal advantage.





What is peer review?

informal | formal

Principles

- Navigator
- Info
- Color
- Color Guide
- Color Themes
- Image Trace
- Brushes
- Stroke
- Gradient
- Noun Project



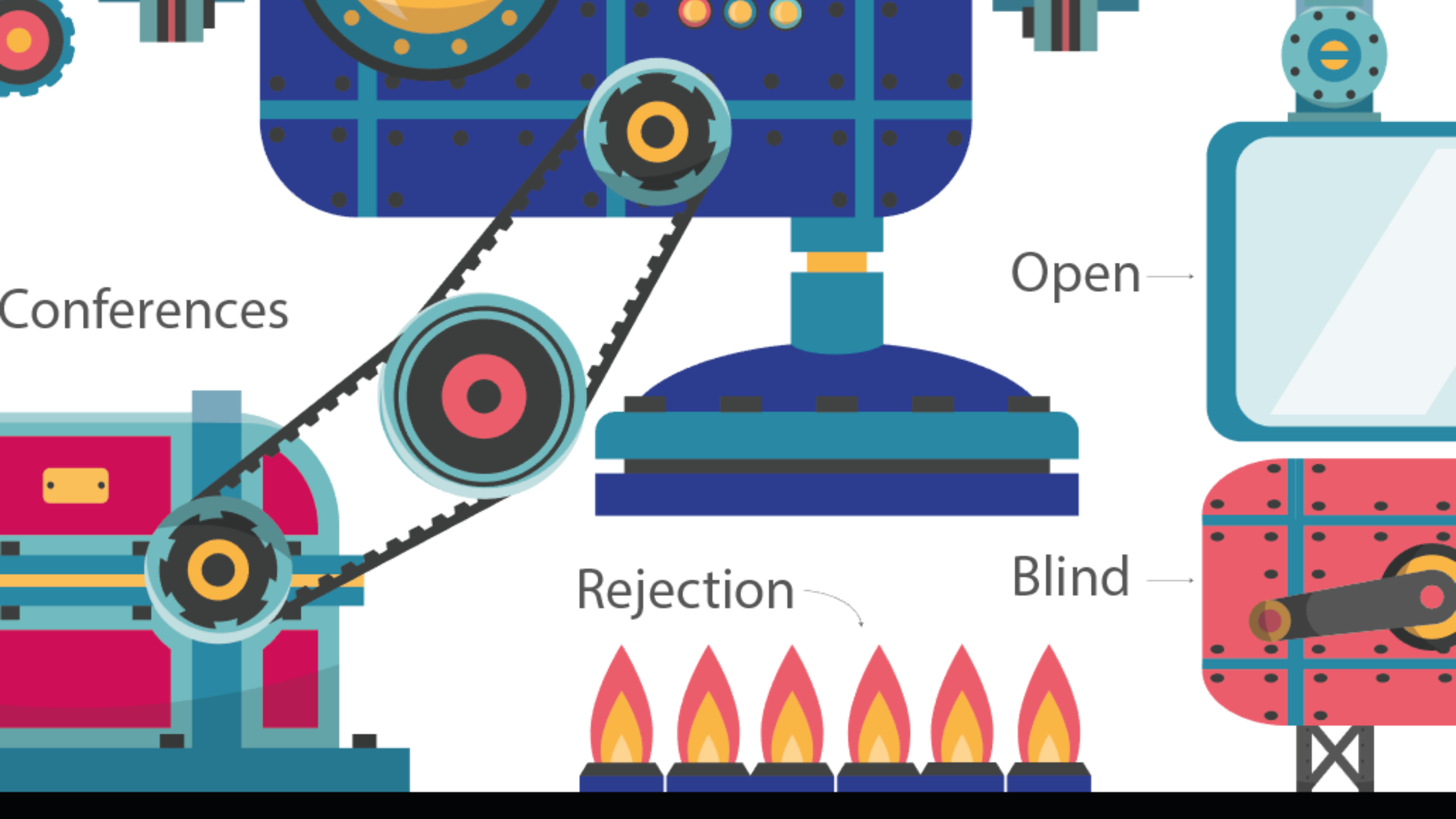
**d** Milk the metaphor

Conferences

Open →

Rejection ↘

Blind →



**2**

Get everyone on the same page  
*literally*

10 people  
salary 130k  
1.5 hours

**= \$1,260**

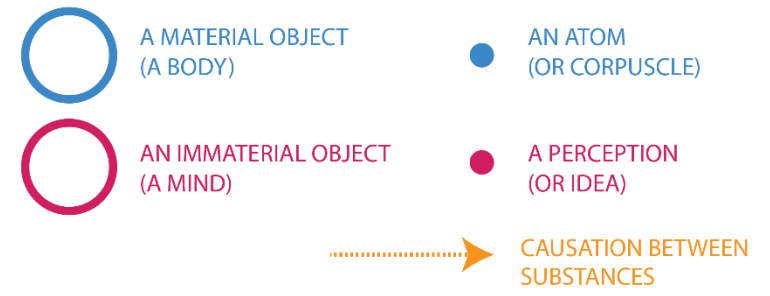
[had to redact this slide,  
sorry]



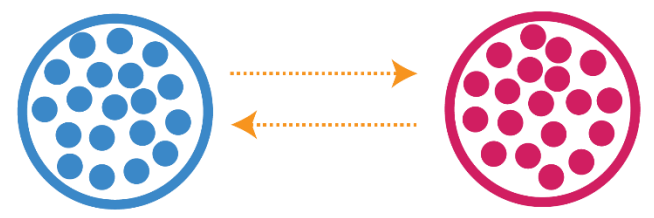
**3**

Impossibly complex topic?  
Draw some circles and dots.

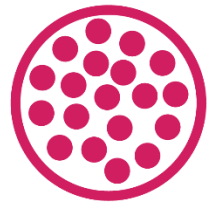
# LEGEND



**CARTESIAN**



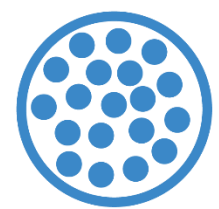
**IDEALIST**



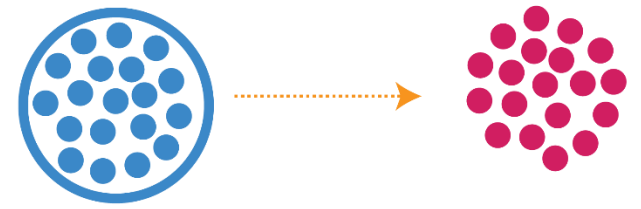
**NEUTRAL MONIST**



**PHYSICALIST**



**EPIPHENOMENALIST**



**REDUCTIVE PHYSICALIST**



4

Find some designs that you like;  
learn how to make them.



Hilary Parker  
@hspter

Follow

Good way of phrasing why data best practices are very often not followed, from @AngeBassa #csvconf



5:25 PM - 2 May 2017

9 Retweets 38 Likes



9



38



Slide by @AngeBassa at CSVConf.

It's only a particular shape, filled with an emotive image, and some Helvetica.



Some Text Goes Here In Helvetica

### Format Shape

SHAPE OPTIONS | TEXT OPTIONS

**FILL**

- No fill
- Solid fill
- Gradient fill
- Picture or texture fill
- Pattern fill
- Slide background fill

Color: [Color Picker]

Transparency: 0%

**LINE**





**Beware  
Colourful  
designs  
that lack  
nutritional  
content**





a university for the **real** world<sup>®</sup>

[Contact QUT](#)

[Study](#)

[Research](#)

[Engage](#)

[About QUT](#)

Search



# The progress is

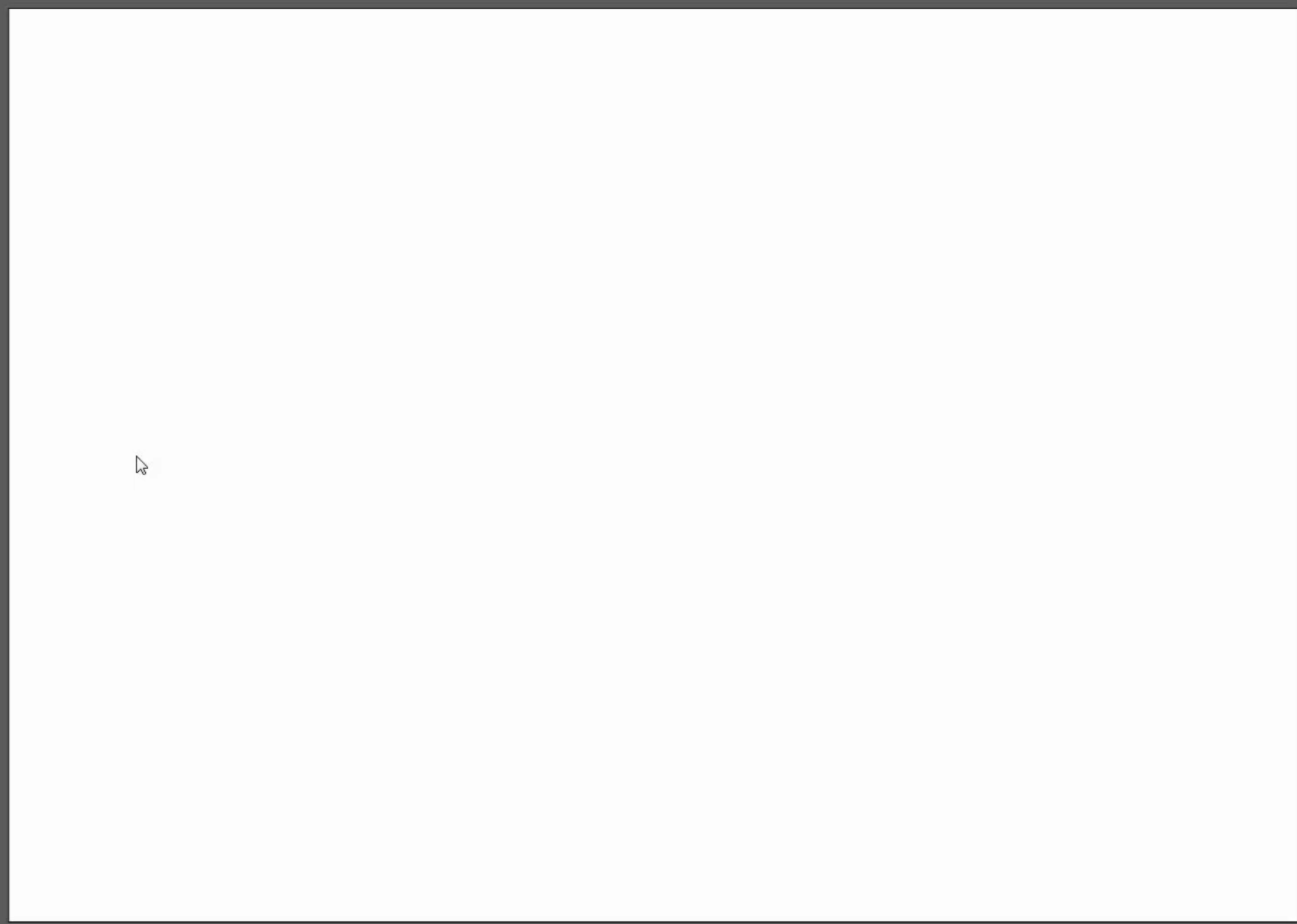
# real

Find out how our collaborative approach to research is helping the world to progress.

[▶ Watch video](#)

No Selection     Stroke: 1 pt Uniform 5 pt. Round Opacity: 100% Style:   Document Setup Preferences

Untitled-1\* @ 150% (CMYK/GPU Preview)



Right sidebar panel with the following sections:

- Navigator
- Info
- Color
- Swatches
- Color Guide
- Color Themes
- Image Trace
- Brushes
- Stroke
- Gradient
- Noun Project



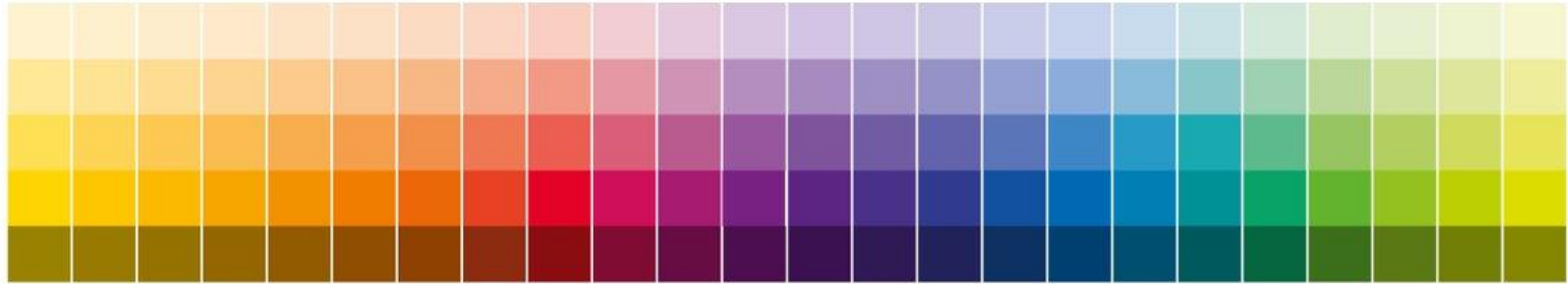
- a** Adobe Illustrator
- b** Any picture
- c** Any Image
- d** Make text extra bold
- e** Select both text and image
- f** Right click -> Make Clipping Mask

SCIENCE



**5**

I suck at colour



ANIMATIONS SLIDE SHOW REVIEW VIEW ACROBAT STORYBOARDING

Font Paragraph Drawing Editing

18 A A Text Direction Align Text Convert to SmartArt

Shape Fill Shape Outline Shape Effects

Find Replace Select



**Text title**



**Text title**



**Text title**



**Text title**



- a** Any program with eye-dropper
- b** Import colour chart image
- c** Use dropper to take nice colours
- d** For objects of same type, stick to same row

**tserrrat Title**  
 et, consectetur adipiscing elit, sed do eiusmod  
 labore et dolore magna aliqua. Ut enim ad  
 id exercitation ullamco laboris nisi ut ali-  
 sequat. Duis aute irure dolor in reprehens-  
 e cillum dolore eu fugiat nulla pariatur. Ex-  
 cidatat non proident, sunt in culpa qui officia  
 laborum

**tserrrat Title**  
 , consectetur adipiscing elit, sed do eiusmod  
 et dolore magna aliqua. Ut enim ad minim  
 mation ullamco laboris nisi ut aliquip ex ea com-  
 mure dolor in reprehenderit in voluptate velit esse  
 a pariatur. Excepteur sint occaecat cupidatat non  
 officia deserunt mollit anim id est laborum

Po  
 Aziz  
 Max  
 Sara

4 5

CADBURY PURPLE	T-MOBILE MAGENTA	JOHN DEERE GREEN	LOUBOUTIN RED
UPS BROWN	COCA-COLA RED	HOME DEPOT ORANGE	POST-IT YELLOW
BARBIE PINK	WIFFLE BALL YELLOW	OWEN CORINGS PINK	TIFFANY BLUE



PART 1 → PART 2 → PART 3 → PART 4

	50	100	200	300	400	500	600	700	800	900	A	A	A	700	
Red															
Pink															
Purple															
Deep Purple															
Indigo															
Blue															
Light Blue															
Cyan															
Teal															
Green															
Light Green															
Lime															
Yellow															
Amber															
Orange															
Deep Orange															
Brown															
Grey															
Blue Grey															

xxx xxx xxx xxx

xxxxxxxxx → yyyyyyyyy



500 1000 1500 2000 2500

Navigation icons: Home, Back, Forward, Search, etc.

Color palette icons: Color, Color Group, Color Theme, Image, Brushes, Stroke, Gradient, Noun





Colors for data scientists. Generate and refine palettes of optimally distinct colors.

### Color space

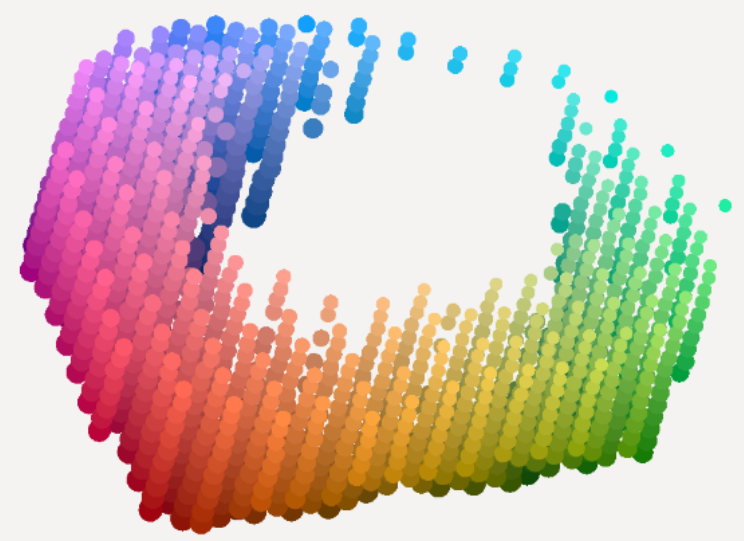
Colorblind friendly

H 0 360

C 40 70

L 15 85

- Improve for the colorblind (slow)
- Dark background



### Palette

5 colors soft (k-Means)

Make a palette

5 color swatches

Tweet

We used: [Sigma.js](#), [Prettify](#), [Bootstrap](#), [jQuery](#), [Modernizr](#), [Initializr](#)

Check our [GitHub](#).

See also our other tools at [Médialab Tools!](#)

And a huge thanks to these inspiring works:

#### Chroma.js

I massively use this excellent js library to convert colors. If you have not done it yet, look at [this post](#). You'll understand much useful things about color in details.



Developed by Mathieu Jacomy at the [Sciences-Po Medialab](#)

Help, bug report or contacting us: [GitHub Issues](#).

**6**

Boo, corporate stock music;  
Hurrah, CC music

- a** Find a YouTube channel you like
- b** Good background music?
- c** Where did they get it?
- d** Maybe it's Creative Commons!



BINGING WITH BABISH S1 • E75  
Binging with Babish: Crème Brûlée from Amelie  
1,377,068 views



Binging with Babish  
Published on Apr 3, 2018

Amelie has no boyfriend. Instead, she has a grab-bag could be more twee or french than all the dainty little crème brûlée? Use your culinary torch for something once, and follow along as we recreate this delectable

Music: "Juparo" by Broke for Free  
<https://soundcloud.com/broke-for-free>

<https://www.bingingwithbabish.com/pod...>

Ad closed by Google

Stop seeing this ad

Why this ad? ⓘ

Up next

AUTOPLAY



BINGING WITH BABISH S1 • E76  
Binging with Babish: Shawarma from The Avengers  
Binging with Babish  
2.1M views



Binging With Babish Cooks In-N-Out and Shake Shack  
First We Feast  
1.4M views



BINGING WITH BABISH S1 • E80  
Binging with Babish: The Sloppy

Music: "Juparo" by Broke for Free  
<https://soundcloud.com/broke-for-free>



BINGING WITH BABISH S1 • E2

You came this way: [Home](#) > [Broke For Free](#) > [Petal](#)



# Petal

by Broke For Free



## Album Description



» LOG IN TO TAG

GENRES: **Electronic**  
**Instrumental**

LENGTH: 00:58:33

SHARE

## Petal

- 01. Golden Hour (05:08) + ↓
- 02. Summer Spliffs (04:37) + ↓
- 03. Wash Out (03:28) + ↓
- 04. Melt (04:21) + ↓
- 05. Juparo (04:08) + ↓
- 06. A Beautiful Life (04:49) + ↓
- 07. XXV (04:00) + ↓
- 08. Feel Good ( Instrumental ) (04:21) + ↓
- 09. Add And (04:09) + ↓
- 10. Love Is Not (04:09) + ↓

UPLOADED: 06/22/2014

LISTENS: 375756

STARRED: 66

COMMENTS: 4

DOWNLOADS: 106391

EMBED THIS ALBUM:

`<object width="300" height="520`

» VIEW ARTIST PAGE

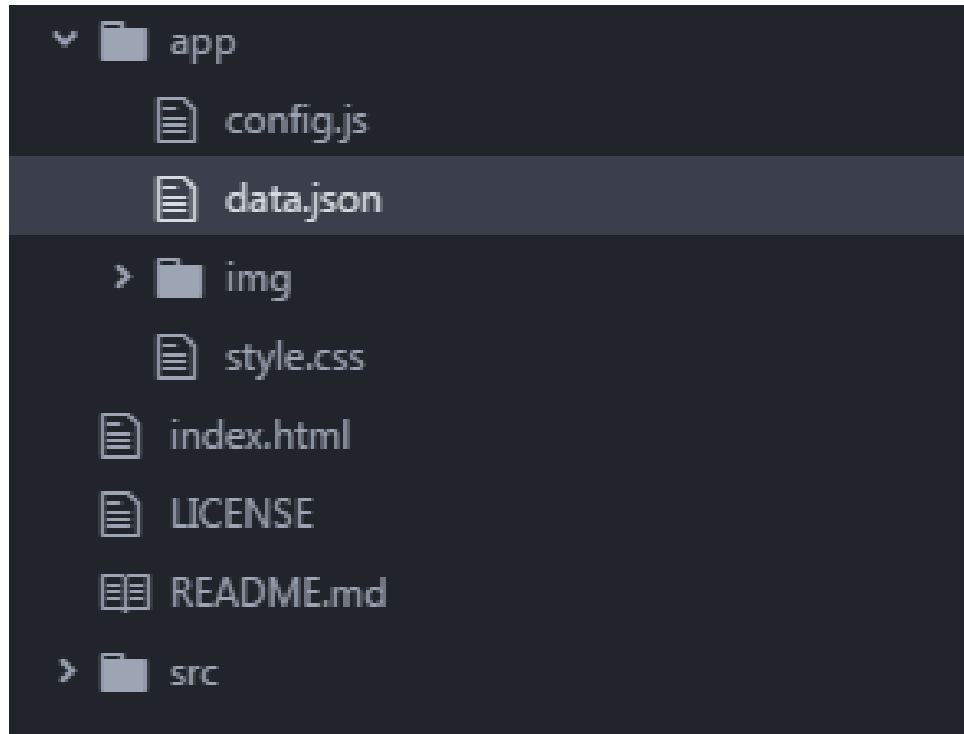


Petal by Broke For Free is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 License.

For more permissions: [contact artist](#)

**7**

Other nerds have already  
done all the hard work



Example:  
Using **Monadic Exploration** by  
Marian Dork.

<http://markhooper.io/openscience/>



100062, 100063, 100064, 100069}],{"id":100005,"type":5,"title":"Unpaywall","text":"Tools that looks for OA versions of papers","url":"http://unpaywall.org/data/", "links": [1000002, 100004, 100006, 100007, 100039, 100048]}, {"id":100006,"type":5,"title":"CORE","text":"an aggregator of 125 million Open Access articles", "url": "http://core.ac.uk/", "links": [100004, 100005, 100008, 100009, 100033, 100039]}, {"id":100007,"type":5,"title":"Open Science Framework preprints","text":"Open Science Framework preprints", "url": "http://osf.io/preprints/", "links": [100004, 100005, 100006]}, {"id":100008,"type":5,"title":"Australasian Open Access Strategy Group","text":"Advocates for open access in Australasia", "url": "http://aoasg.org.au/", "links": [100002, 100003, 100004, 100006, 100028, 100029, 100030, 100031, 100032, 100033]}, {"id":100009,"type":3,"title":"RE3data","text":"Registry of research data repositories", "url": "http://re3data.org/", "links": [100001, 100010, 100011, 100012, 100013, 100014, 100016, 100028, 100031, 100034]}, {"id":100010,"type":3,"title":"World Bank Open Data","text":"Free and open access to global development data", "url": "http://data.worldbank.org/", "links": [100009, 100011, 100012, 100013, 100014, 100031]}, {"id":100011,"type":3,"title":"Mozilla open data training","text":"Development of an open data training program for Mozilla Science Labs", "url": "http://github.com/mozillascience/open-data-training/", "links": [100009, 100010, 100012, 100013, 100016, 100018, 100020, 100024, 100028, 100030, 100031, 100033, 100034]}, {"id":100012,"type":2,"title":"Software carpentry","text":"Teaching basic lab skills for research computing", "url": "http://software-carpentry.org/lessons/", "links": [100011, 100013, 100015, 100016, 100017, 100018, 100019, 100020, 100022, 100024, 100026, 100027, 100028, 100029, 100030, 100034, 100072, 100073, 100074]}, {"id":100013,"type":2,"title":"Data Carpentry","text":"Building communities teaching universal data literacy", "url": "http://datacarpentry.org/lessons/", "links": [100011, 100012, 100015, 100016, 100017, 100018, 100019, 100020, 100022, 100024, 100026, 100027, 100028, 100029, 100030, 100034, 100072, 100073, 100074]}, {"id":100014,"type":2,"title":"Failure is moving science forward","text":"A blog post by Christie Aschwanden on FiveThirtyEight", "url": "http://fivethirtyeight.com/features/failure-is-moving-science-forward/", "links": [100001, 100022, 100028, 100029, 100030, 100035]}, {"id":100015,"type":1,"title":"Overleaf","text":"Collaborative Writing and Publishing", "url": "http://overleaf.com/", "links": [100002, 100012, 100013, 100017]}, {"id":100016,"type":2,"title":"Figshare","text":"Store, share, and discover, research outputs", "url": "http://figshare.com/", "links": [100002, 100004, 100006, 100008, 100014, 100015, 100017, 100018, 100033, 100035, 100049, 100050, 100051]}, {"id":100017,"type":1,"title":"Google docs","text":"Google docs and Google sheets can be tools for collaborative, projects", "url": "http://docs.google.com/", "links": [100015]}, {"id":100018,"type":6,"title":"Github's Open Source Guide","text":"Learn how to launch and grow your open source project", "url": "http://opensource.guide/", "links": [100001, 100002, 100012, 100013, 100015, 100019, 100034]}, {"id":100019,"type":5,"title":"Software citation principles","text":"An article in PeerJ by Smith, Katz and Niemeyer", "url": "http://peerj.com/articles/cs-86/", "links": [100001, 100002, 100012, 100013, 100015, 100018, 100034]}, {"id":100020,"type":6,"title":"Publons Academy","text":"A practical peer review training course for early career researchers", "url": "http://publons.com/community/academy/", "links": [100002, 100021, 100022, 100023, 100033]}, {"id":100021,"type":6,"title":"Metrics toolkit","text":"Helping you navigate the research metrics landscape", "url": "http://metrics-toolkit.org/", "links": [100002, 100004, 100006, 100015, 100016, 100020, 100028]}, {"id":100022,"type":5,"title":"Six Essential reads on peer review","text":"A short collection of literature on journal peer review in ASAPbio", "url": "http://asapbio.org/six-essential-reads-on-peer-review/", "links": [100014, 100020, 100021, 100023]}, {"id":100023,"type":5,"title":"Open peer review a randomised controlled trial","text":"An article by Walsh et. al. in The British Journal of Psychiatry", "url": "http://cambridge.org/core/journals/the-british-journal-of-psychiatry/articles/open-peer-review-a-randomised-controlled-trial/1F81447FC67B3BAFDCCCE82B6C7A187/", "links": [100014, 100020, 100021, 100022]}, {"id":100024,"type":7,"title":"Open Science School","text":"Makes open tools for science education and research", "url": "http://openscienceschool.org/", "links": [100001, 100011, 100012, 100013, 100025]}, {"id":100025,"type":7,"title":"XKCD's Up-Goer five text editor","text":"Can you explain a hard idea using only the ten hundred most used words?", "url": "http://splash.com/upgoer5/", "links": [100024, 100026, 100027]}, {"id":100026,"type":8,"title":"Open Education Handbook","text":"CC BY Open Education Handbook on WikiBooks", "url": "http://en.wikibooks.org/Open\_Education\_Handbook/", "links": [100018, 100025, 100027, 100033]}, {"id":100027,"type":8,"title":"SPARC Open Education Sheet","text":"SPARC explains open education", "url": "https://sparcopen.org/wp-content/uploads/2017/04/Open-Education-Fact-Sheet\_SPARC.11.10-2.pdf/", "links": [100018, 100025, 100026, 100033]}, {"id":100028,"type":7,"title":"Why Open Research?","text":"Advance your career by sharing your work", "url": "http://whyopenresearch.org/", "links": [100001, 100004, 100008, 100009, 100016, 100018, 100019, 100021, 100031, 100034]}, {"id":100029,"type":7,"title":"Women Working in Openness Database","text":"Compiled by vickysteeves", "url": "http://fyoaw.vickysteeves.com/", "links": [100001, 100008, 100012, 100013, 100024, 100026, 100027, 100028, 100030]}, {"id":100030,"type":7,"title":"Open Speakers Database","text":"A crowdsourced database of regional experts on Open Access, Open Education, and Open Data", "url": "http://https://openspeakers.org/", "links": [100008, 100012, 100013, 100024, 100026, 100027, 100028, 100029]}, {"id":100031,"type":3,"title":"The FAIR Data Principles","text":"Force11 - FAIR Data Principles - findable, interoperable, accessible, reusable", "url": "http://www.force11.org/group/fairgroup/fairprinciples/", "links": [100001, 100008, 100009, 100010, 100011, 100012, 100013, 100014, 100018, 10002, 100032, 100034]}, {"id":100032,"type":3,"title":"Creative Commons Licence Chooser","text":"A tool to select the right Creative Commons licence", "url": "http://creativecommons.org/choose/", "links": [100002, 100003, 100004, 100008, 100031]}, {"id":100033,"type":0,"title":"Rainbow of Open Science Practices","text":"Presentation of 17 open science practices throughout the whole research workflow, with tool examples by Kramer and Bosman", "url": "http://zenodo.org/record/1147025#.Wwvc8Jf7KUL/", "links": [100001, 100002, 100006, 100007, 100008, 100011, 100016, 100020, 100021, 100025, 100031]}, {"id":100034,"type":0,"title":"Open Research Glossary","text":"A glossary developed by the Right to Research Coalition, designed to be a resource to inform people about the culture of 'open scholarship'", "url": "http://righttoresearch.org/resources/OpenResearchGlossary/index.shtml/", "links": [100001, 100002, 100009, 100011, 100012, 100013, 100023, 100024, 100028, 100031]}, {"id":100035,"type":6,"title":"Eigenfactor Project","text":"Aims to use recent advances in network analysis to develop novel methods for evaluating the influence of scholarly periodicals", "url": "http://eigenfactor.org/about.php/", "links": [100004, 100006, 100016, 100019]}, {"id":100036,"type":5,"title":"Confederation of Open Access Repositories","text":"COAR works for a sustainable, global knowledge commons based on a network of open access digital repositories", "url": "http://www.coar-repositories.org/", "links": [100004, 100006, 100009, 100010]}, {"id":100037,"type":5,"title":"Cofactor journal selector tool","text":"A tool for selecting a good scientific journal", "url": "http://cofactorscience.com/journal-selector/", "links": [100002, 100003, 100004, 100006, 100007, 100028, 100032]}, {"id":100038,"type":5,"title":"SHERPA/RoMEO","text":"Database of international publisher policies", "url": "http://www.sherpa.ac.uk/romeo/index.php", "links": [100002, 100003, 100004, 100006, 100007, 100022, 100028, 100032]}, {"id":100039,"type":0,"title":"Open Access 2020","text":"OA2020 is a global alliance committed to accelerating the transition to open access", "url": "http://oa2020.org/", "links": [100001, 100003,



```
{"id":100000,"type":5,"title":"TITLE","text":"TEXT",  
"url":"http://website.com","links":[100997,100  
998,100999]}
```

Any unique ID

Category

Title of item

Description of item

```
{"id":100000,"type":5,"title":"TITLE","text":"TEXT",  
"url":"http://website.com","links":[100997,100  
998,100999]}
```

URL

Which other ID's do  
you want to link this  
item to?

# Shuffle

Categorize, sort, and filter a responsive grid of items

## Install

```
npm install shufflejs
```

[Start a CodePen with a Shuffle template](#)  
[See the latest releases](#)

## Example

Search

Filter

Sort

# Example: Using **Shuffle.js**

<http://markhooper.io/foods.html/>

```
<li class="col-md-2 col-sm-4 col-xs-6" data-groups='["weekend", "freezer"]'>
  <figure class="portfolio-item">
    <a href="http://www.esquire.com/food-drink/food/a8376/lamb-ragu-0910/" target="_blank">
      
    </a>
  </figure>
</li>

<li class="col-md-2 col-sm-4 col-xs-6" data-groups='["weekend"]'>
  <figure class="portfolio-item">
    <a href="https://www.theguardian.com/lifeandstyle/2010/oct/09/mejadra-recipe-yotam-ottolenghi" target="_blank">
      
    </a>
  </figure>
</li>

<li class="col-md-2 col-sm-4 col-xs-6" data-groups='["weeknight"]'>
  <figure class="portfolio-item">
    <a href="http://dannahaynotimetocook.blogspot.com.au/2011/10/mustard-lamb-with-rosemary-potatoes.html" target="_blank">
      
    </a>
  </figure>
</li>
```