

Photos of cats, Chubby the cat, London cat photos, My photos from 2017

1 *Messy data can be organised into a series of tags and put into a spreadsheet*

ID	Chubby.001.jpg
Creator	Kristen Schuster
Location	London
Name	Chubby
Subjects	Cats — pictorial works, fire engines
Date	September, 2017

2 *Organising content with a series of tags can help us identify how we would like to structure our data using a technical standard like XML*

```

<photo>
<id>Chubby.001.jpg</id>
<creator type="personal">
  <display>Kristen Schuster</display>
  <firstName>Kristen</firstName>
  <lastName>Schuster</lastName>
</creator>
<location type="taken">
  <display>London</display>
  <location source="TGN" id="7013066">
    London (inhabited place)
  </location>
</location>
<subjects type="descriptive">
  <subject source="LCSH" id="sh2008100217">
    cats—pictorial works
  </subject>
  <subject source="AAT" id="300212734">
    fire engines
  </subject>
</subjects>
<date type="taken"> September, 2017</date>
</photo>

```

3 *We can take our idiosyncratic schema and map it onto a widely adopted standard like Dublin Core*

Transforming 'messy data' into structured data using schema and metadata standards

By Dr. Kristen Schuster,
King's College London
Oct 2018



Start here!

Say you have a collection of photos, and you know how they are organised, and why you have kept them (out of all the possible photos you have taken). Now you need to organise

```

<dc:creator>Kristen Schuster</dc:creator>
<dc:date>September, 2017</dc:date>
<dc:coverage>London</dc:coverage>
<dc:identifier>Chubby.001.jpg</dc:identifier>
<dc:subject>Cats—pictorial works</dc:subject>
<dc:subject>fire engines</dc:subject>

```



Animal is a category

There are many different types of animals!



Mammal IsA Animal

A mammal is a type of animal

All mammals are animals, but not all animals are mammals

Bunny IsA Mammal, so Bunny IsA Animal

A Bunny is a mammal and, therefore, is a animal:

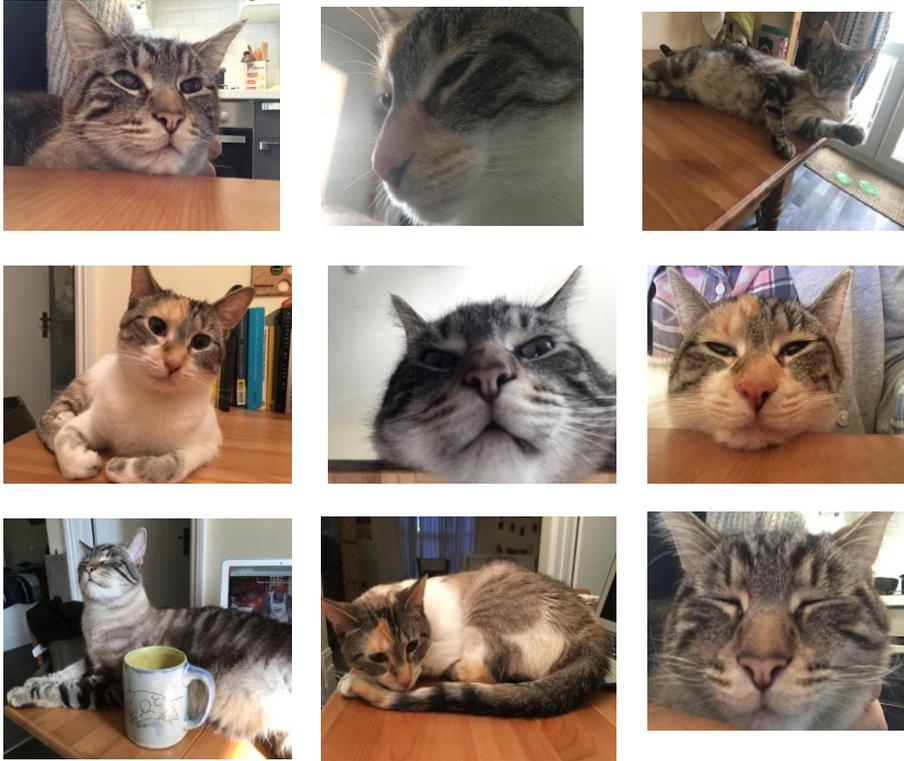
All bunnies are animals, and all bunnies are mammals

Relational Declarations and IsA:

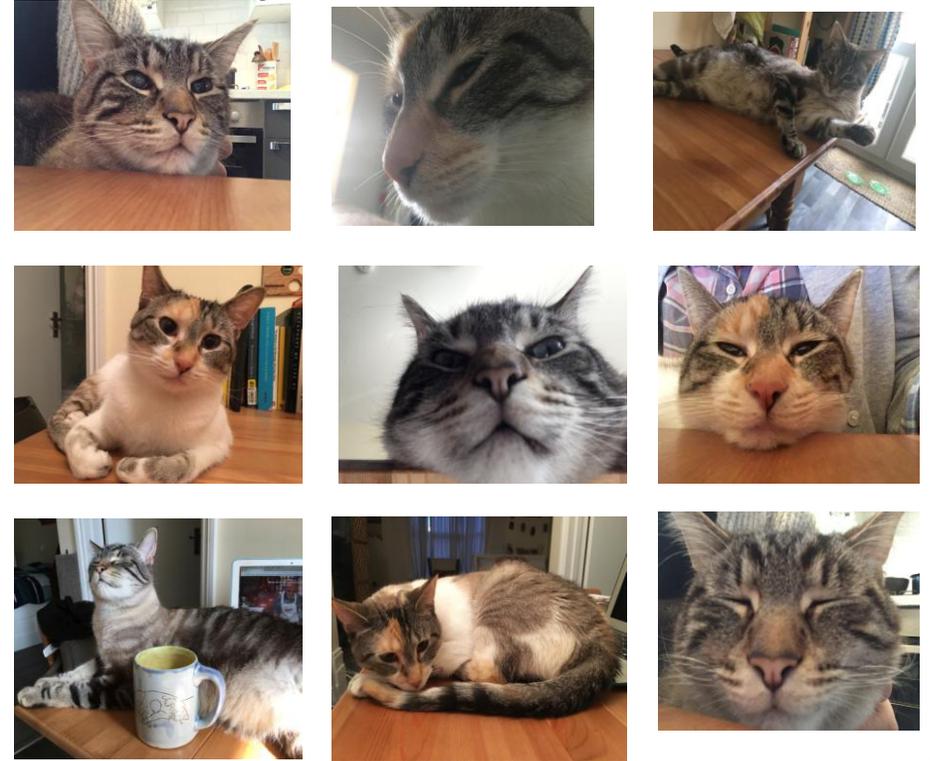
How all bunnies are mammals, but not all mammals are bunnies

By Dr. Kristen Schuster,
King's College London
Oct 2018





NOT



*Each photo is a part of this album.
Which is to say: They are related because they are part of the same group of images.*

Why not? It would be redundant because we have already shown that these cats belong to a group of images, just like we don't need to specify that bunnies are animals because we have demonstrated they are mammals.