Getting Meta With Classmates
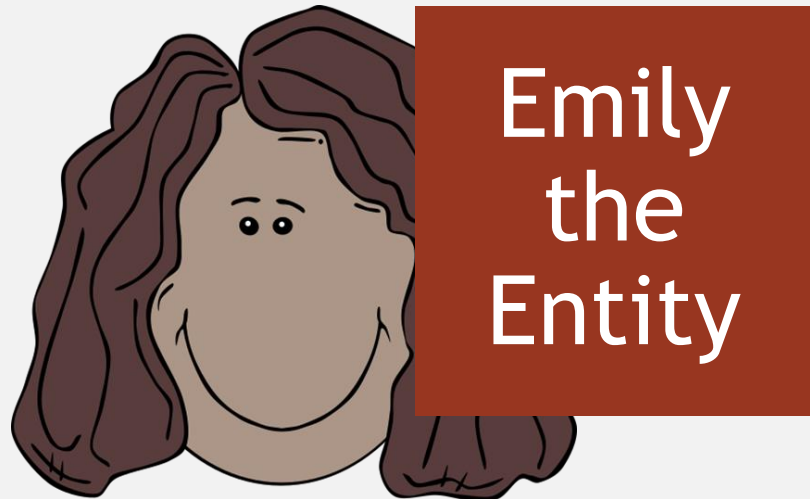
Finish with data
Now consider only **metadata**

What's In a Name?

- Title (Ms., Mr., Mrs., Dr., Alhaji, Gen., Sir, etc.)
- FirstName
- LastName
- MaidenName
- OtherNames
- NickName
- Generation (II, Jr,. III, Sr.)
- NameSuffix (M.D., J.D., Esquire, Knucklehead, etc.)
- PreferredName
- NamePronunciationNotes

Cory Doctorow - Metacrap

- People Lie
- People are Lazy
- People are Stupid
- People Are Biased(And don't know it!)
- Schemas Aren't Neutral
- Metrics Influence Results
- There's more than one way to describe something

Simply Data

Emily the Entity

Attribute	Value
FirstName	Emily
MiddleName	Marie
LastName	Witherspoon
BirthDate	April 12, 1994
PID	7404-02667
CreditCardType	VISA
CreditCardNumber	4001-6888-2323-0110
Employer	EPA Library
Citizenship	U.S. citizen
State	North Carolina
City	Asheville
StreetAddress	2010 New Hope Road
MobilePhone	919-887-2345
ZipCode	28804

One-to-Many

Emily

Attribute	Value
FirstName	Emily
MiddleName	Marie
LastName	Witherspoon

RelationType	Person
Cousin	Susan
Brother	Tom
Brother	Eldritch
Sister	Shauna
Father	Marcus
Mother	Karen
Uncle	Phil
FirstLove	Enrique
OtherFirstLove	Fabio
Spouse	Norm

How do We Track Historical Data?

- People change their names, jobs, genders, favorites, titles, addresses, phone numbers, hairstyles, and, occasionally, underwear.

- Which attributes need to be tracked over time? Can we just toss out the old values and replace with the new?

- Tricky things to consider, more tricky to implement.

- Let's back away quietly for now... no sudden moves...

Real Metadata

- It's Not About the Entity

- It's About the Data

Attribute	Value
FirstName	Emily
MiddleName	Marie
LastName	Witherspoon

The Journalist's Six Ws

- Who collected or updated this record or attribute?
- What rules apply to the collected / updated record or attribute?
- When was the record or attribute collected or updated?
- Where was the record or attribute collected or updated?
- Why was the record or attribute collected or updated?
- How was the record or attribute collected or updated?

Attribute	Value
FirstName	**Emily**
MiddleName	**Marie**
LastName	**Witherspoon**
BirthDate	**April 12, 1994**
CreateDate	2020-01-01 10:10:10+05:30
CreatedBy	**UNDBA\AKnucklehead**
UpdateDate	2020-04-30 18:20:10+05:30
UpdateBy	**UNDBA\KAbacha**
SecurityReport	2020-04-30 18:21:10+05:30
SecurityApproval	2020-06-30 08:12:45+04:00
SecurityApprovalBy	**UNDBHQ\RLee**
SyncedToMaster	2020-06-30 11:26:07+04:00
SyncStatus	**OK**
Owner	**UNDB Info Services**

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Now consider only **metadata**