Making a statement
2012 Ford Mustang Coupe

STARTING AT: $22,310

City MPG: 19  Hwy MPG: 29

Actual rating will vary with options, driving conditions, habits and vehicle condition.

Model Shown V6, MSRP $22,310

Color: Red Candy Metallic Tinted Clearcoat

Two-door
Red
Ford
Mustang
Metadata as fields in a record

- color = red
- price = $24,500
- doors = 2
- make = Ford
- model = Mustang
From field to statement

⇒ color = red
Statements

→ color → red
→ price → $24,500
→ doors → 2
→ make → Ford
→ model → Mustang
“nodes and arcs”

node

arc

node
3-parts (or “a triple”)

subject

verb*

object

car

color**

red

*predicate

** “has color”
3-parts (or “a triple”)

subject → verb* → object

color** → red

The subject of the statement

The data element

*predicate

** “has color”
Exercise: Making statements

This is a dog named Dewey. Dewey is a golden retriever. Dewey is 9 years old. Dewey’s birthday is 12-25. Dewey was born in 2003.
name: Dewey

dog breed: Golden retriever

age: 9 years

birthday: 12-25

birth year: 2003
The graph

(has) BirthYear
(has) Birday
(has) age
(has) name
(has) breed

2003
12-25

Dewey
Golden retriever
9 years
• This is a dog named Dewey.
• Dewey is a golden retriever.
• Dewey is 9 years old.
• Dewey’s birthday is 12-25
• Dewey was born in 2003

• Dewey lives in Berkeley.
• Berkeley is in California.
• The University of California is in Berkeley
Dewey
name

G Retrieve
breed

9 years
age

2003
birth date

12-25
birth year
Dewey

G Retriever

9 years

12-25

name

breed

age

birth date

birth year

lives in

Berkeley

2003
Dewey
G Retrieve
9 years
12-25
name
breed
age
birth date
birth year
2003
located in
Berkeley
lives in
California
Dewey
Golden retriever
9 years
12-25

name
breed
age
birth date
birth year

lives in

California
located in

Berkeley
located in

U of C
located in
End
making a statement