

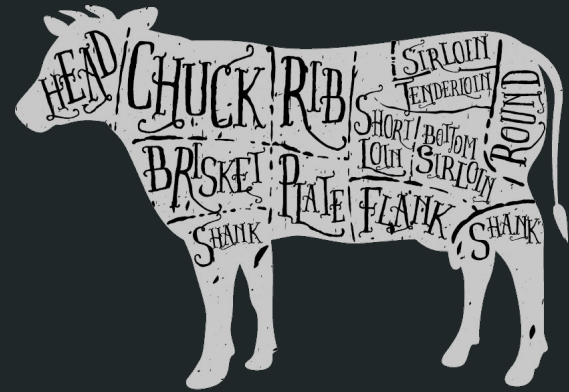
# Historical Meat Prices and Grain Production

Exploring the relationship between retail choice beef prices and feed grain production in the US annually between 1975 and 2015

*Using USDA data from [www.data.gov](http://www.data.gov)*

H0: There is no relationship between beef prices and grain production

H1: As beef prices increase, the amount of feed grains also increases



# Timeseries Data

	historical price spread data for beef				
	cents per pound, retail w				
	values				
	by product	gross farm value	net farm value	wholesale value	retail value
	B	C	D, =C-B	E	F
January-70	6.0	67.4	61.4	75.9	98.5
February-70	6.4	69.8	63.4	75.6	98.3
March-70	6.5	74.0	67.5	79.9	100.6
April-70	6.5	73.4	66.9	79.2	101.1
May-70	6.2	70.9	64.7	76.6	100.7
June-70	6.0	72.5	66.5	78.2	99.8
July-70	5.9	74.1	68.2	81.5	102.0
August-70	6.0	71.7	65.7	79.1	101.7
September-70	6.0	70.4	64.4	76.8	100.2
October-70	6.1	69.1	63.0	74.6	99.3
November-70	5.8	65.6	59.8	73.1	99.1
December-70	5.3	64.1	58.8	71.5	98.0

- Beef Price data is from 1970 - 2015
- Timeseries data, .XLS format
- Displays farm, wholesale and retail value in cents per pound
- Grain production data from 1975-2015
- Searchable database
- Production in millions of metric tons

# Are Chick Flicks Really Just for Girls?

Determining gender preference of romance movies based on anonymous ratings data using University of Minnesota GroupLens project data from 2000.

[www.grouplens.org](http://www.grouplens.org)

H0: There is no relationship between gender and romance movie ratings.

H1: Average ratings for romance movies will be higher in the female gender group than male.



# Survey Data

Over 1,000,000 anonymous ratings from 1-5, by 6,040 MovieLens users in 2000. Each user rated at least 20 movies. GroupLens project drives the MovieLens recommendation system.

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1::Toy Story (1995)::Animation|Children's|Comedy
2::Jumanji (1995)::Adventure|Children's|Fantasy
3::Grumpier Old Men (1995)::Comedy|Romance
4::Waiting to Exhale (1995)::Comedy|Drama
5::Father of the Bride Part II (1995)::Comedy
6::Heat (1995)::Action|Crime|Thriller
7::Sabrina (1995)::Comedy|Romance
8::Tom and Huck (1995)::Adventure|Children's
9::Sudden Death (1995)::Action
10::GoldenEye (1995)::Action|Adventure|Thriller
11::American President, The (1995)::Comedy|Drama|Romance
12::Dracula: Dead and Loving It (1995)::Comedy|Horror
13::Balto (1995)::Animation|Children's
14::Nixon (1995)::Drama
15::Cutthroat Island (1995)::Action|Adventure|Romance
16::Casino (1995)::Drama|Thriller
17::Sense and Sensibility (1995)::Drama|Romance
18::Four Rooms (1995)::Thriller
19::Ace Ventura: When Nature Calls (1995)::Comedy
```

- Three data sets: ratings, users, & movies, all .dat files
- Ratings.dat contains user id, movie id, and rating (1-5)
- Users.dat contains user id, gender, age, occupation
- Movies.dat contains movie id, title, and genres
- Movie data entered by hand, so possible errors in the data set