



Department of Computer Science  
UNIVERSITY OF COLORADO **BOULDER**



# What is Data Science

## Introduction to Data Science Algorithms

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MARCH 16, 2017

## Will NetFlix user 24601 like Transformers?

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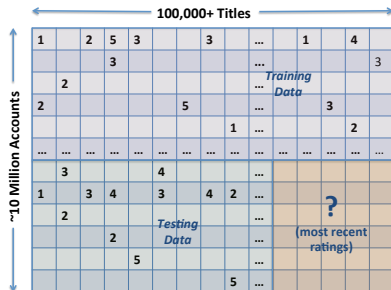


## Will NetFlix user 24601 like Transformers?

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## How do you know?



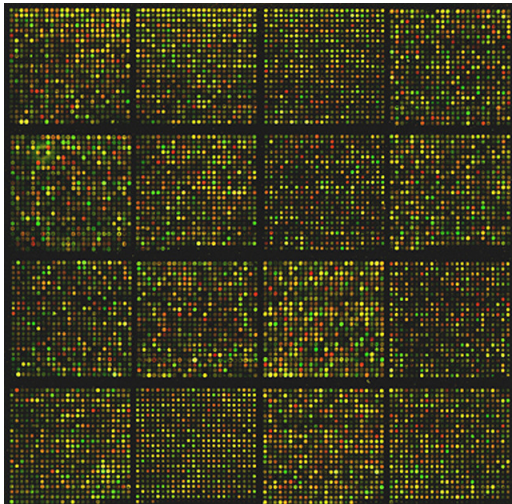
## Group many images and determine the number of groups

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Which genes are associated with a disease? How can expression values be used to predict survival?

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# Is it likely that this stock was traded based on illegal insider information?

Dow Jones Composite Average (^DJA) - DJI

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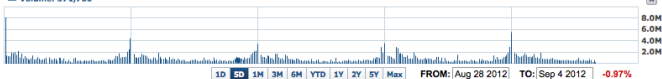
**4,372.78** +20.68 (0.47%) 1:48PM EDT

Enter name(s) or symbol(s) [GET CHART](#) [COMPARE](#) [EVENTS](#) [TECHNICAL INDICATORS](#) [CHART SETTINGS](#) [RESET](#)

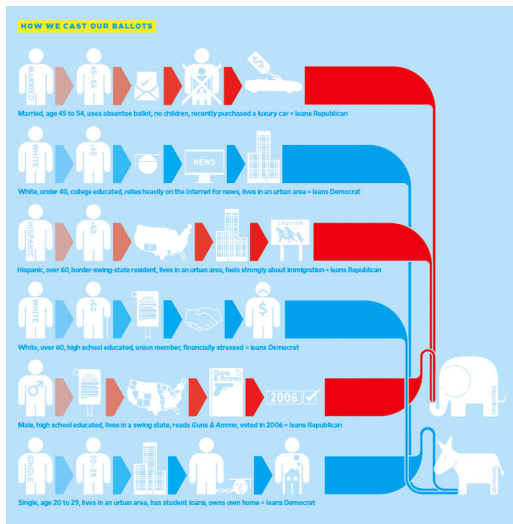
Aug 29, 2012 2:59 PM - 3:04 PM EDT: ■ ^DJA 4416.03



Volume: 571,700



# Who will vote and for whom?





## Is this spam?

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Subject: CHARITY.

Date: February 4, 2008 10:22:25 AM EST

To: undisclosed-recipients;;

Reply-To: s.polla@yahoo.fr

Dear Beloved,

My name is Mrs. Susan Polla, from ITALY. If you are a christian and interested in charity please reply me at : (s.polla@yahoo.fr) for insight.

Respectfully,

Mrs Susan Polla.

## Where are the faces?



Data contain patterns  
that can help us solve problems.