

### **About Me**

### **Emily Toledo**

- ★ Born in San Salvador, El Salvador
- ★ Raised in Los Angeles, CA

#### **UC Irvine**

- ★ 2nd year, process of double majoring in Political Sciences & Economics
- ★ Chancellor's Excellence Scholarship⋄ \$2,500

#### **Mesa Unida**

★ Event Coordination & Fundraising Committee



## Middle School

### **John Burroughs Middle School**

- ★ Class of 2012
- ★ Student Government
  - Representative
  - 3 years of participation
- **★** Extracurricular Activities
  - Softball
  - Swimming



# What are you currently involved in at school?

# **High School**

### **New Designs Charter School**

- **★** Class of 2016
- **★** Varsity Sports
  - Softball
  - Swimming
  - Soccer
- **★** Fulfillment Fund
  - A program that helps students from low-income backgrounds apply to college
- **★** AP Classes
  - Spanish, English, World History,
    Calculus AB



# What Am I Doing Now?

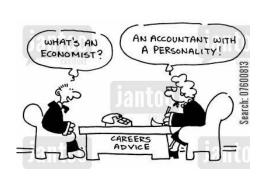
- ★ Enrolled in Political Sciences & Economics classes
- ★ Teaching Assistant with UCI SAL (Saturday Academy of Law)
- ★ Summer Internship at MatchCraft
  - Social Media Intern
  - Paid internship
- ★ Decade Plus
  - Graduate Division
- ★ Campuswide Honors Program
- ★ Law School????
- ★ Graduate School????



# What do you think an Economist does?

## What Does An Economist Do?

- Economists do research and study data on a large number of topics, such as taxes, employment, the cost of energy, the transfer of money from one country to another, and other business activities
- Economists study how society distributes resources, such as land, labor, raw materials, and machinery, to produce goods and services.





### **Education - How to Become an Economist**

### A Master's or Ph.D. degree

- o More education = More opportunities!
- Become a professor!
- Take part in research

### Bachelor's Degree

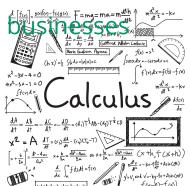
- Major in Economics
- Choose from a variety of courses that are related to Economics
  - The study of economics
  - How do individuals and businesses make decisions based on what they have? How do they interact with one another?
  - Study the behavior of the economy altogether.

### **How Does An Economist Use Math?**

- College Algebra
- Trigonometry
- Geometry
- Calculus I and II
- Mathematical Economics
- Game Theory
- Statistics for Economists cs

- Use mathematical models to better understand such issues as the nature and length of business cycles, the effects of inflation, or the effects of tax legislation on unemployment levels.
  - Develop data collection methods and procedure methods such as questionnaires.

Apply all knowledge to advise by and other organizations.



## **Math Problem**

The market demand (quantity demanded in a market) is the sum of the quantities demanded by all the buyers at each price. Thus, the market demand curve is found by adding horizontally the individual demand curves.

At a price of \$2.00, Catherine demands 4 ice-cream cones and Nicholas demands 3 ice-cream cones.

The ice cream shop has a supply of four ice cream cones. Based on the market demand, how much should the ice cream shop charge for their ice cream cones?

Price of Ice-Cream Cone	Catherine		Nicholas		Market
\$0.00	12	+	7	=	19 cones
0.50	10		6		16
1.00	8		5		13
1.50	6		4		10
2.00	4		3		7
2.50	2		2		4
3.00	0		1		1

## **Salary & Job Growth**

- ★ Median pay (annual): 99,180 USD (2015)
- ★ Median pay (hourly): 47.68 USD (2015)
- **★** Entry level education: Master's degree
- ★ Projected 10-year growth: 6% (2014)
- **★** Number of jobs: 21,500 (2014)

# HAVE A GREAT DAY!

- http://weusemath.org/?career=economist
- http://www2.york.psu.edu/~dxl31/majweb.html
- https://en.wikipedia.org/wiki/Economist
- www.aplia.com