Challenge #1 and EY

UN Goal # 8

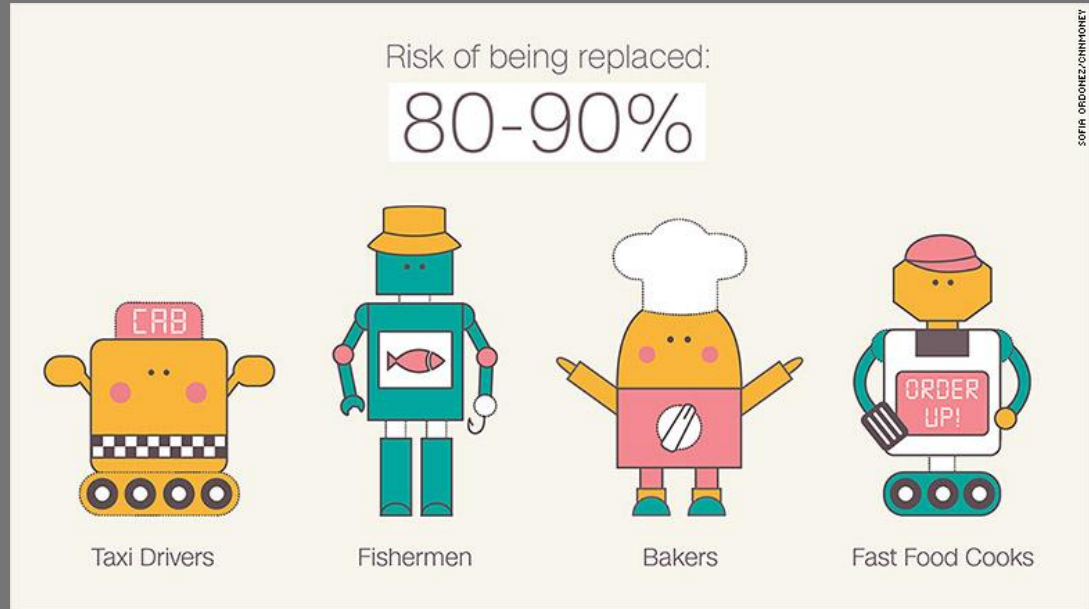Group Member Names: Lindsey Binay, Crystal Huang, Fenton Li

Problem

Why is this a global issue? In most countries automation will steal jobs people already are employed by humans .

How is it impacting our social, economic and environment conditions?

There will be lack of human interactions. People lose their jobs making them not be able to support themselves. There will be increased consumer demand.

—

AFFECTS

Nearly a third of all American jobs will be lost to automation in the next 13 years and 27 million Americans will have to find a new occupation by 2030

Risk of being replaced:
80-90%

Taxi Drivers   Fishermen   Bakers   Fast Food Cooks

SOFIA ORDONEZ/CNNMONEY

Evidence

The least safe jobs

Telemarketer

Chance of automation 99%

Loan officer

Chance of automation 98%

Cashier

Chance of automation 97%

Paralegal and legal assistant

Chance of automation 94%

Taxi driver

Chance of automation 89%

Fast food cook

Chance of automation 81%

The safest jobs

Mental health and substance abuse social worker

Chance of automation 0.3%

Occupational therapist

chance of automation 0.35%

Dietitian and nutritionist

Chance of automation 0.39%

Physician and surgeon

Chance of automation 0.42%

Clergy

Chance of automation 0.81%

JOBS AT RISK OF AUTOMATION

POSITION	PROBABILITY OF AUTOMATION	
Loan officers	98%	
Receptionists/clerks	96%	
Paralegals/legal assistants	94%	
Retail salespersons	92%	
Taxi drivers/chauffeurs	89%	
Security guards	84%	
Cooks/fast food	81%	
Bartenders	77%	
Personal financial advisers	58%	
Computer programmers	48%	
Reporters/correspondents	11%	
Musicians/singers	7.4%	
Lawyers	3.5%	
Elementary school teachers	0.4%	
Physicians/surgeons	0.4%	

CBC NEWS

Source: Bloomberg

Annual global robotics deals by category

2012 – 2017 (as of 10/3/17)

	Enterprise	Consumer	Medical	Safety & Government	Misc
2012	14	10	12	3	5
2013	18	14	14	4	3
2014	42	23	10	4	3
2015	87	46	15	9	5
2016	103	48	17	11	15
2017YTD	88	28	22	9	8

CBINSIGHTS
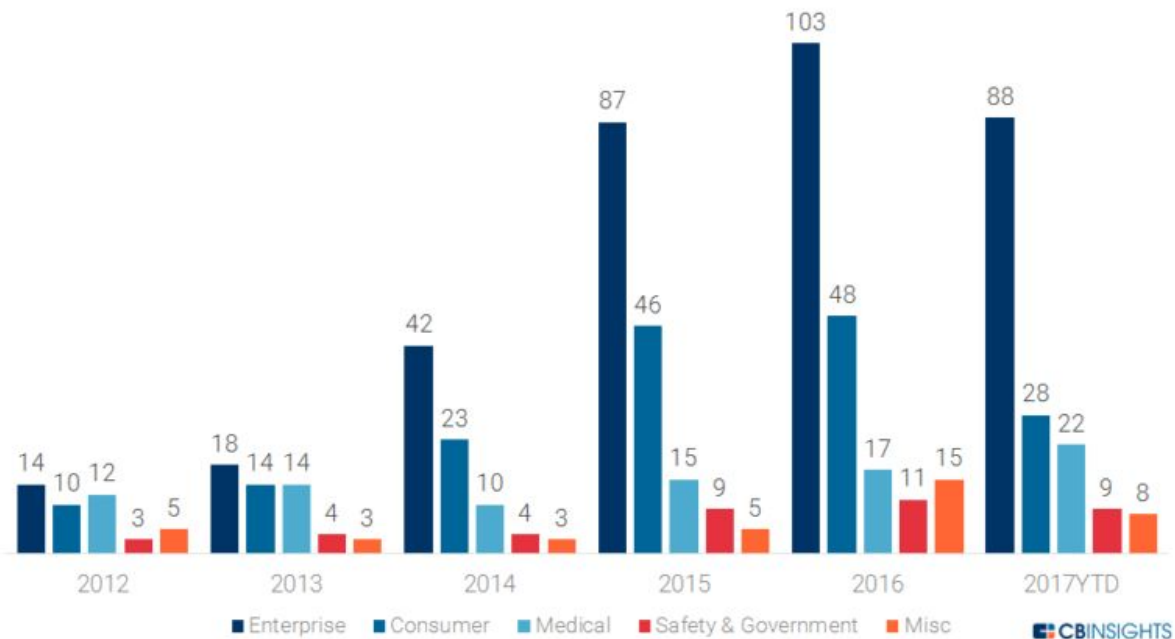
Solutions

#1

Humans will continue to be dominant in skills that requires creativity, interpersonal relations, caring, emotional range and complexity, dexterity, and mobility. The Bureau of Labor Statistics reports an occupational growth that states by 2026 11 of the 25 top growing occupations are healthcare related, where human dominated skills are essential.
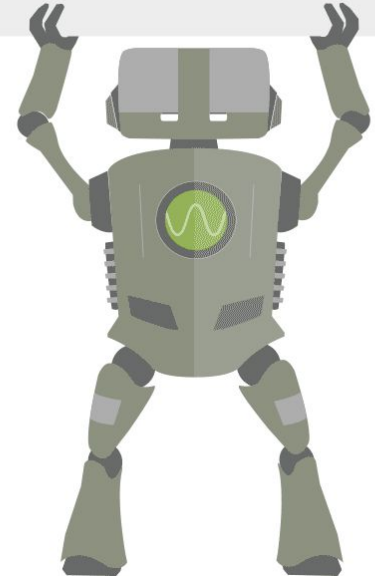
At work, do you need to:

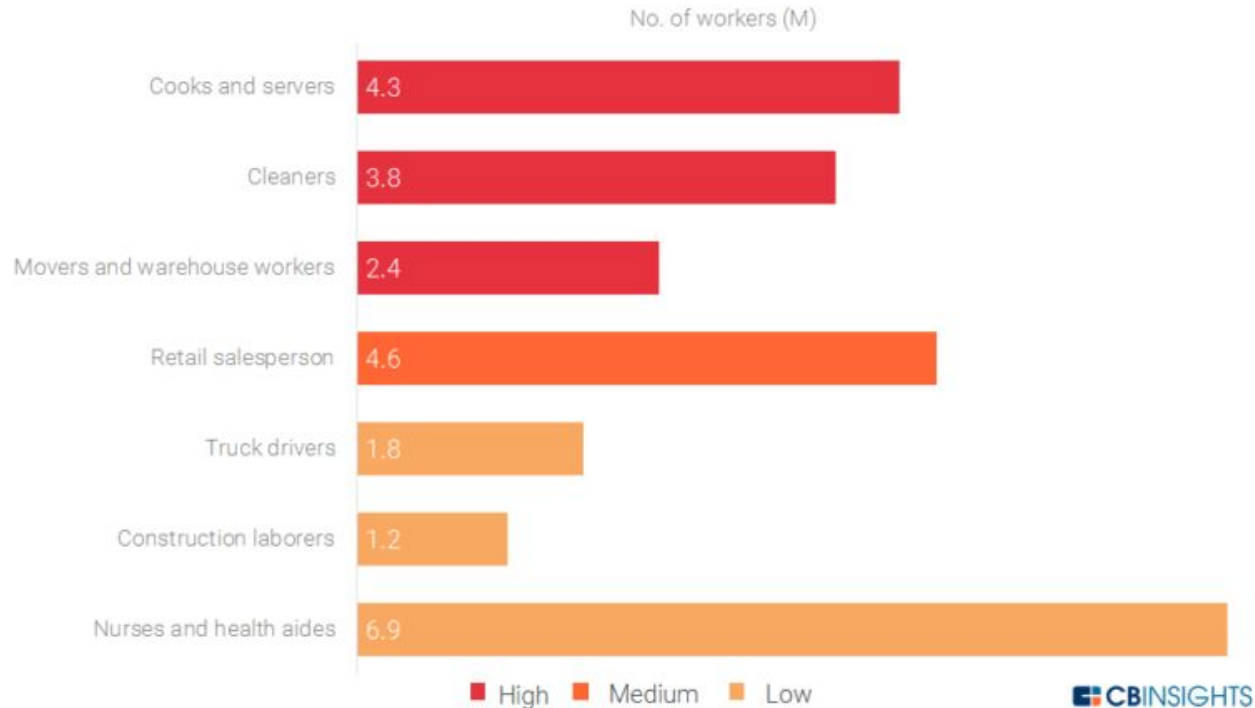Negotiate?
Help and assist others?
Come up with original ideas?

✔ **Your job is safer from automation**

Researchers say that although 800 million people will be out of their jobs by 2030, there will be an increase of 280 million new jobs from increased spending on consumer goods and another 85 million jobs from on health and education.

IMMEDIATE RISK FROM AUTOMATION

No. of workers (M)

Cooks and servers	4.3
Cleaners	3.8
Movers and warehouse workers	2.4
Retail salesperson	4.6
Truck drivers	1.8
Construction laborers	1.2
Nurses and health aides	6.9

■ High   ■ Medium   ■ Low

CBINSIGHTS

Policy makers would have to take the necessary precautions that will be required for the transition following job loss by strengthening the social net. In the U.S, this means that unemployment insurance, Medicaid, Supplemental Nutrition Assistance Program, and Transitional Assistance to Needy Families

Jobs that will survive AI automation

STEM
Aerospace engineers
Developers
Heavy equipment technicians

CREATIVE
Musicians
Chefs
Advertising copywriters

EMOTIONAL IQ
Nurses/doctors
Therapists
Teachers