Creating a Community of the Future Today

Florida City and County Management Association

June 1, 2018

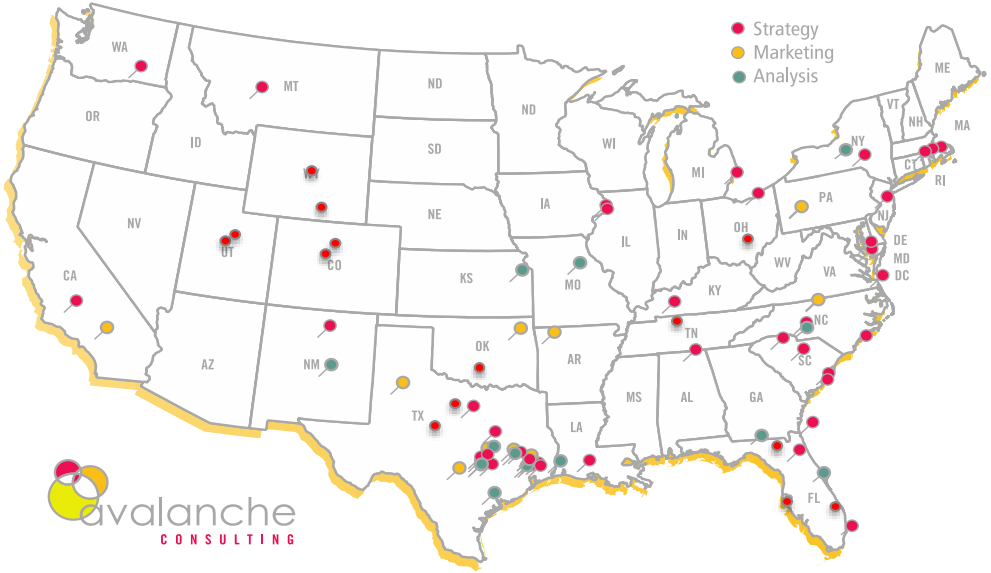
Amy Holloway, President, Avalanche Consulting

avalanche @ChiefSherpa

“The best way to predict the future is to create it.”

— *Abraham Lincoln*

We are strategists for the nation's top performing economies.



avalanche CONSULTING

JAXUSA PARTNERSHIP For Regional Economic Development

CHARLOTTE REGIONAL PARTNERSHIP

GREATER OKLAHOMA CITY CHAMBER

ARC ATLANTA REGIONAL COMMISSION

COLUMBUS 2020

Charleston REGIONAL DEVELOPMENT ALLIANCE

EDB SONOMA COUNTY ECONOMIC DEVELOPMENT BOARD

TVA

The Miami Foundation For A Greater Miami

HOUSTON THE CITY WITH NO LIMITS

ROANOKE REGIONAL PARTNERSHIP

MOODY FOUNDATION

provo

The Beacon Council foundation

UpstateSCAlliance

ENTERPRISE FLORIDA

Plum Creek Growing Value from Exceptional Resources

Team Texas

Economic Alliance Houston Port Region

DECATUR BUSINESS. TEXAS STYLE.

FRISCO Economic Development Corporation

GREATER EASTEND DISTRICT THE PEOPLE BEHIND THE PROGRESS

CenterPoint Energy

NEW RIVER VALLEY ECONOMIC DEVELOPMENT ALLIANCE

Gainesville Area CHAMBER OF COMMERCE

RESEARCH VALLEY

BASTROPTX Economic Development Corp www.BastropEDC.org

SBDC MONTANA

BROWNWOODTX

BAY AREA HOUSTON Economic Partnership

PFLUGERVILLE Community Development Corporation

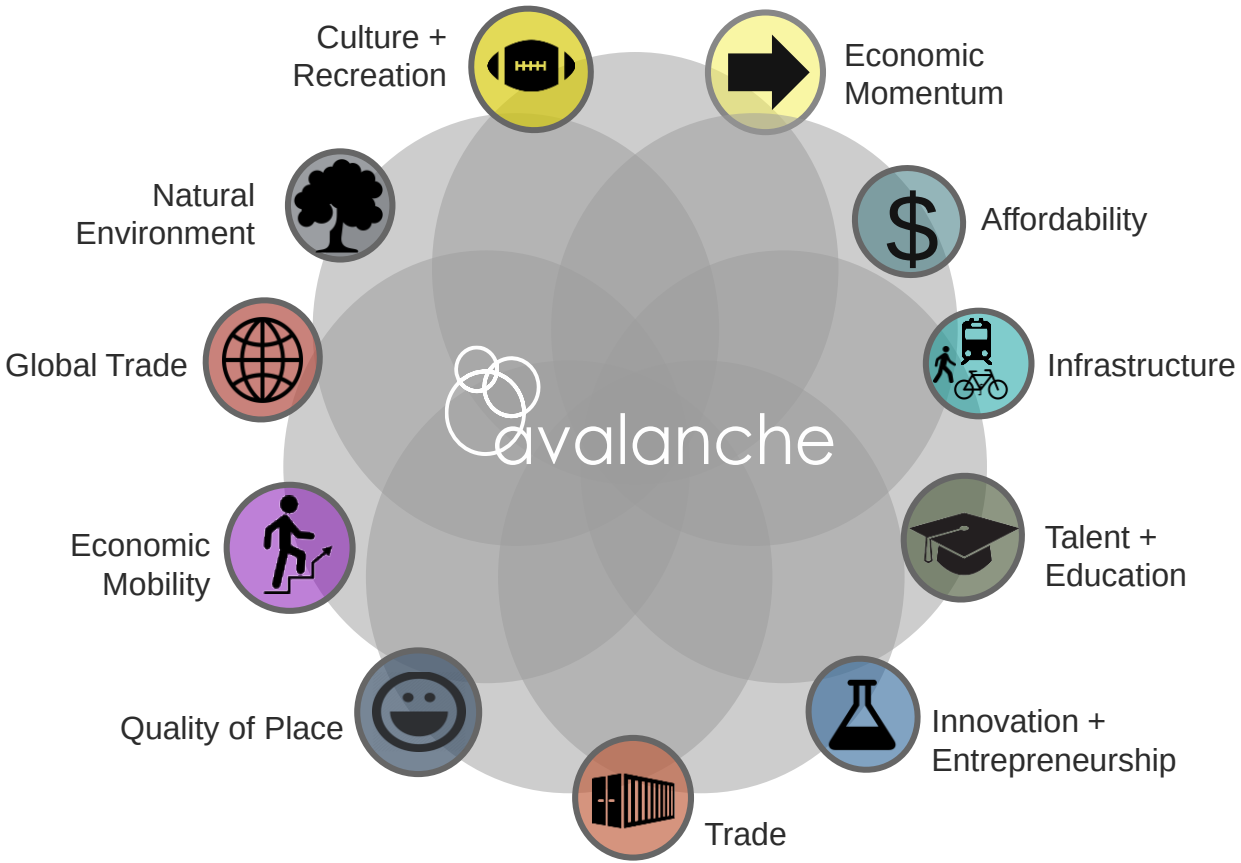
Rowlett

ESTES PARK EDC

LOWCOUNTRY economic alliance

EDC Economic Development Corporation SARASOTA COUNTY

We view economic development through a holistic lens.



Demography

Technology

Economy

Demography

Technology

Economy

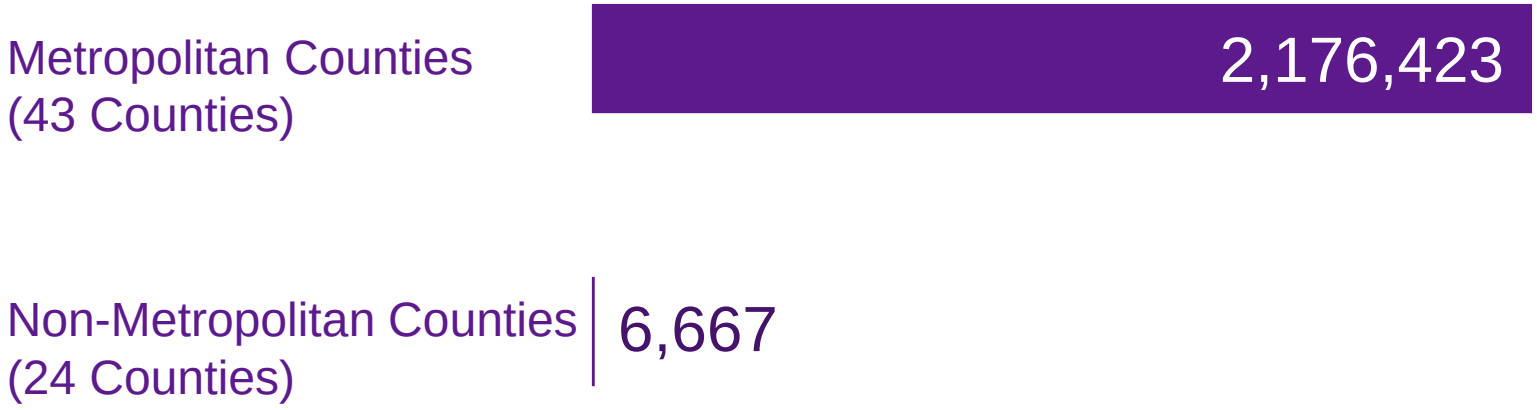
FLORIDA POPULATION TRENDS

1,000
NEW PEOPLE PER DAY

5.4 m
MORE PEOPLE BY 2030

Source: 2017 Economic Development Task Force Report, Florida Chamber of Commerce

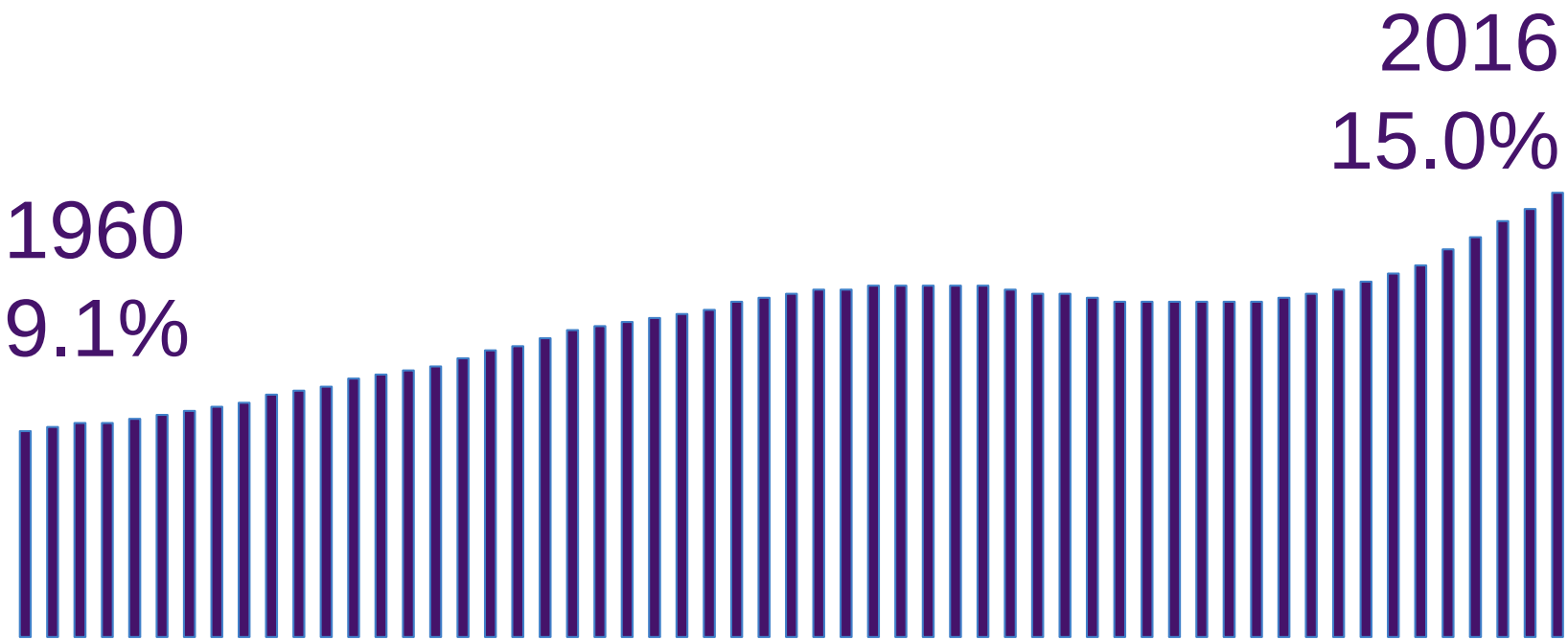
FLORIDA NET POPULATION CHANGE
2010 - 2017



Source: US Census Bureau

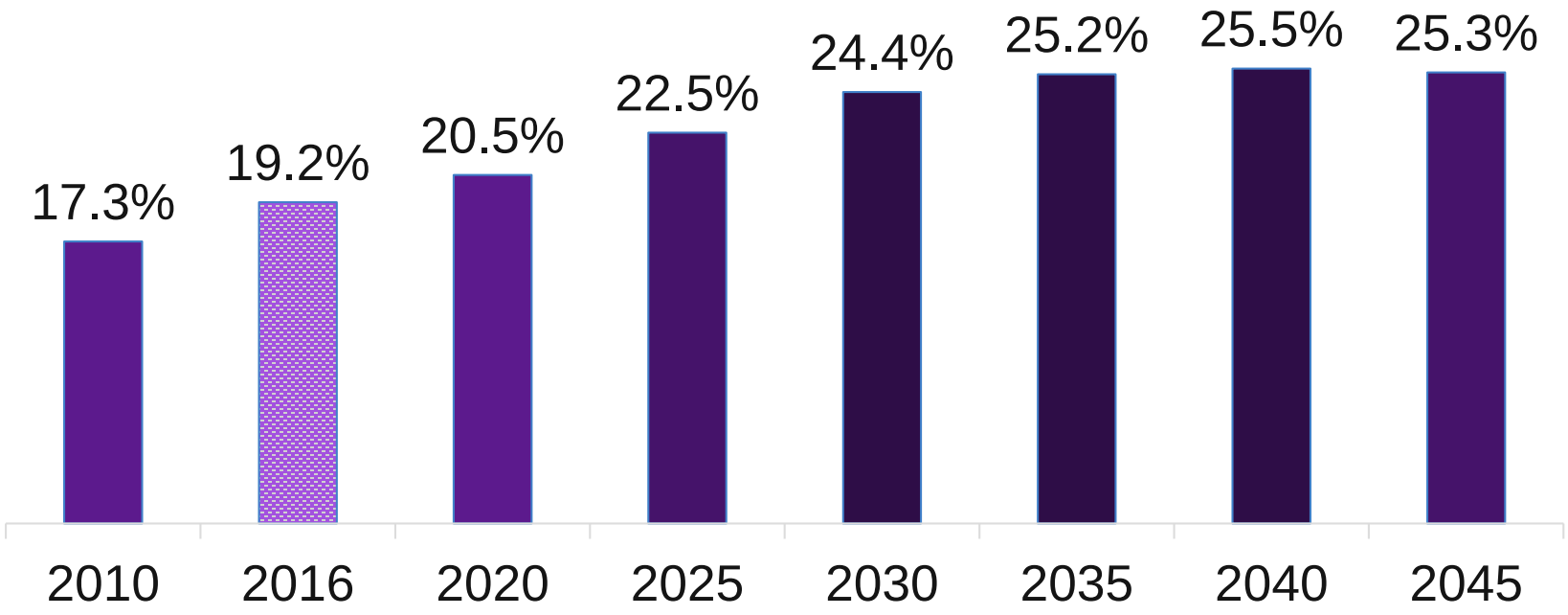
Every 24 hours, more than 10,000 people turn 65.

PERCENT OF U.S. POPULATION AGE 65+



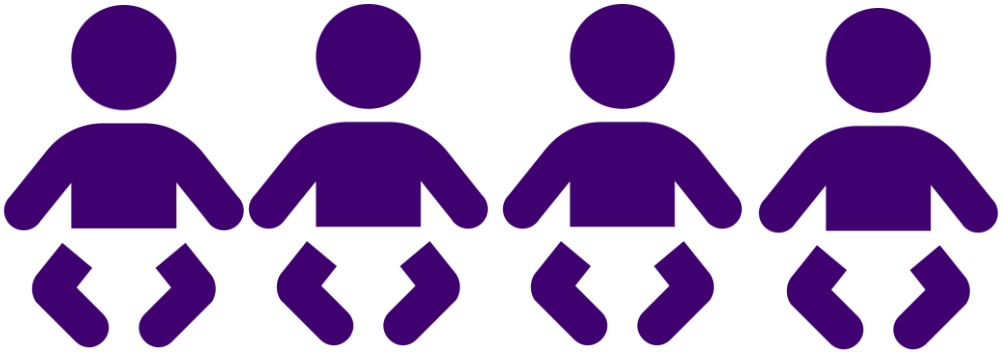
Source: World Bank

PROJECTED PERCENT OF FLORIDA POPULATION AGE 65+



Source: Bureau of Business & Economic Research

CULMULATIVE CHANGE IN WHITE, NON-HISPANIC POPULATION 2010 – 2016 (MILLIONS)

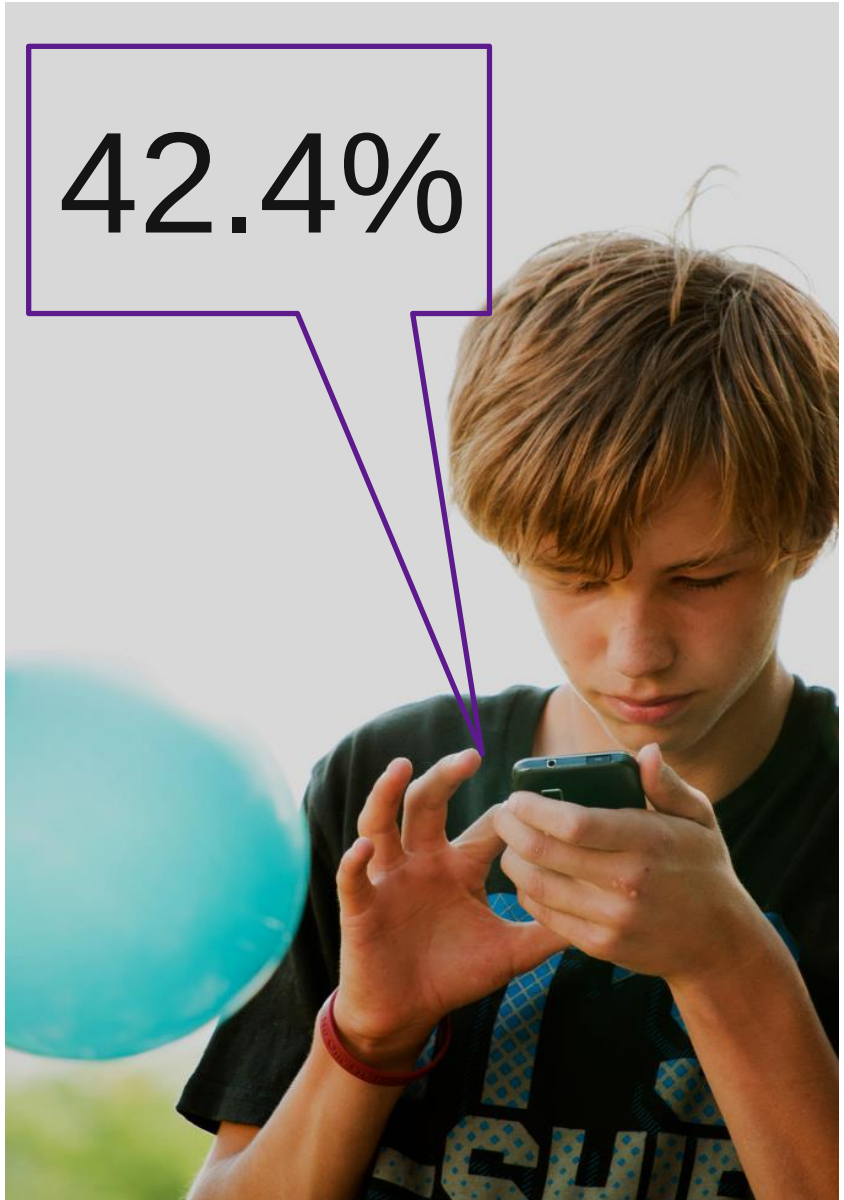


12.4m

12.8m

Source: US Census Bureau

74.5%


42.4%

Source: Avalanche ED Index Q1 2018

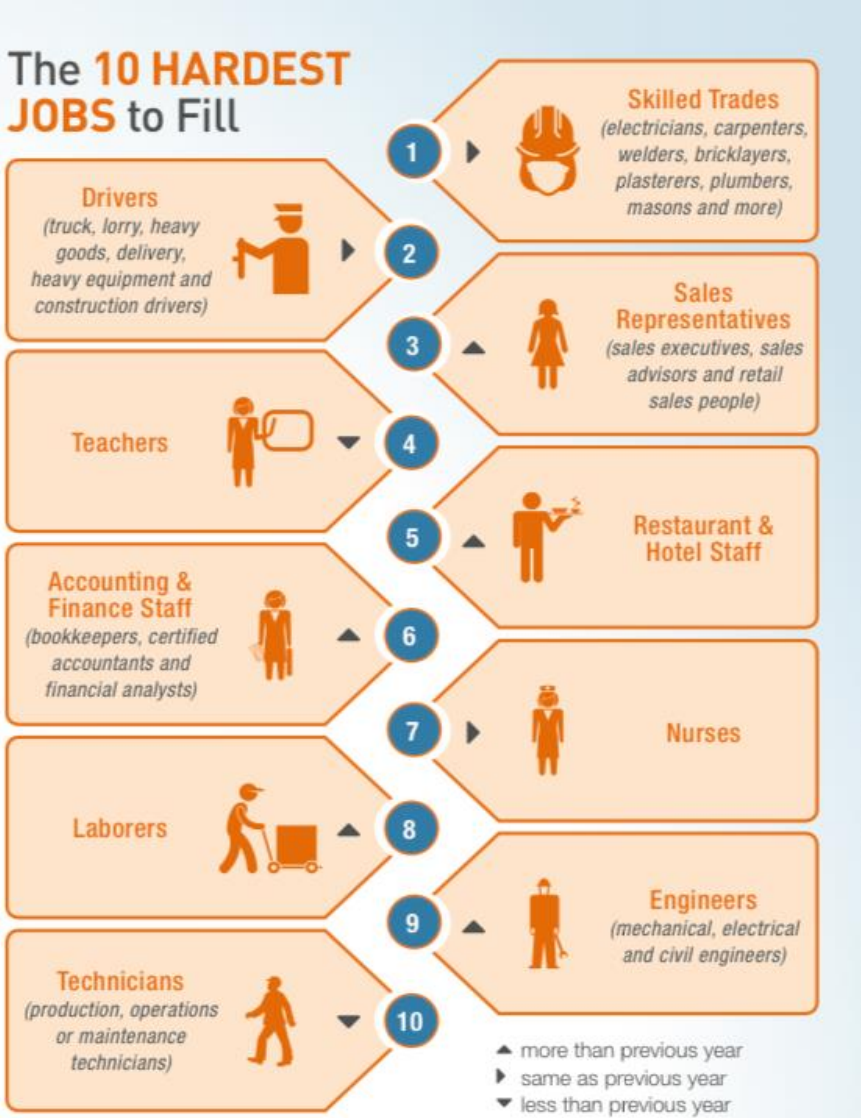
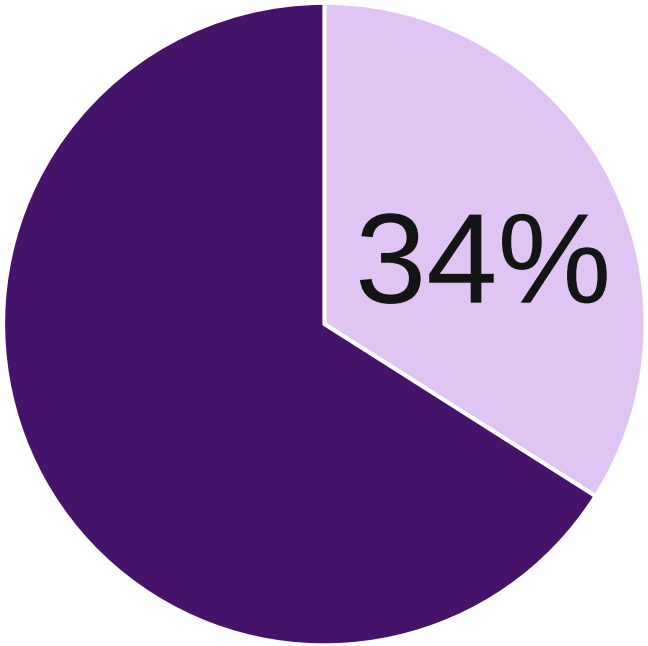


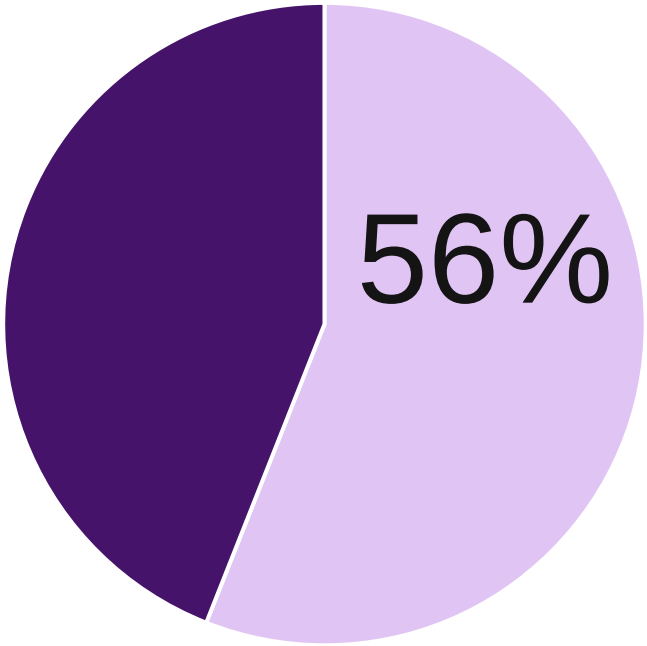
FIGURE 2

Source: Manpower Group 2016-2017 US Skills Shortage Survey

Cost Burdened Households in Florida



owners



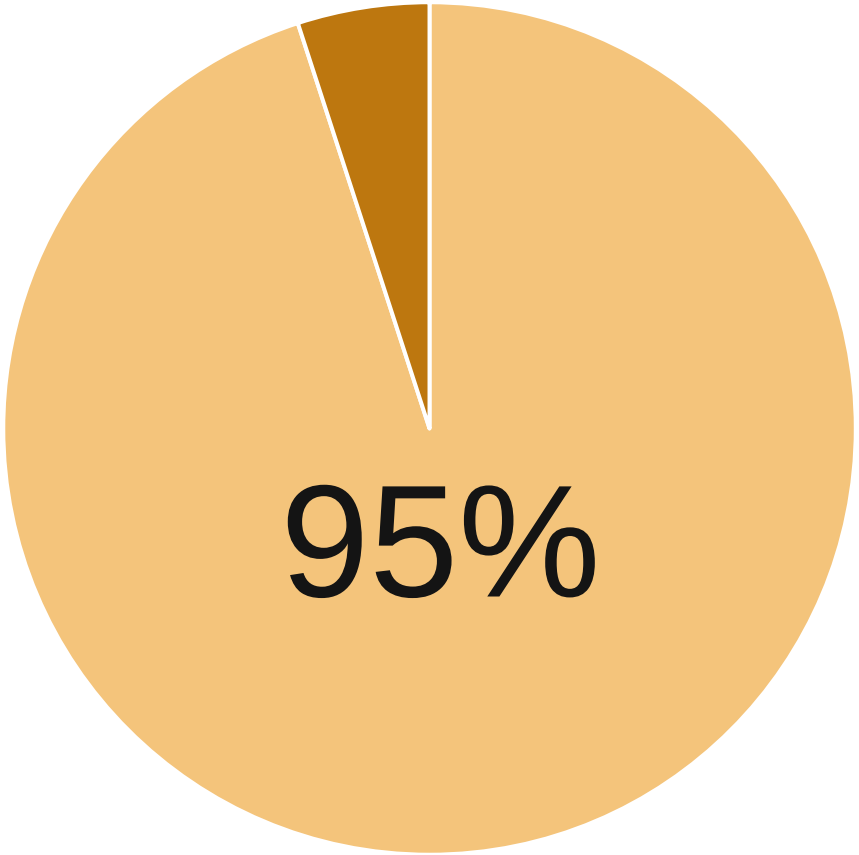
renters

Source: US Census Bureau

Demography

Technology

Economy



Amount of Time Cars Are Parked on a Typical Day

Source: The High Cost of Free Parking

500,000,000

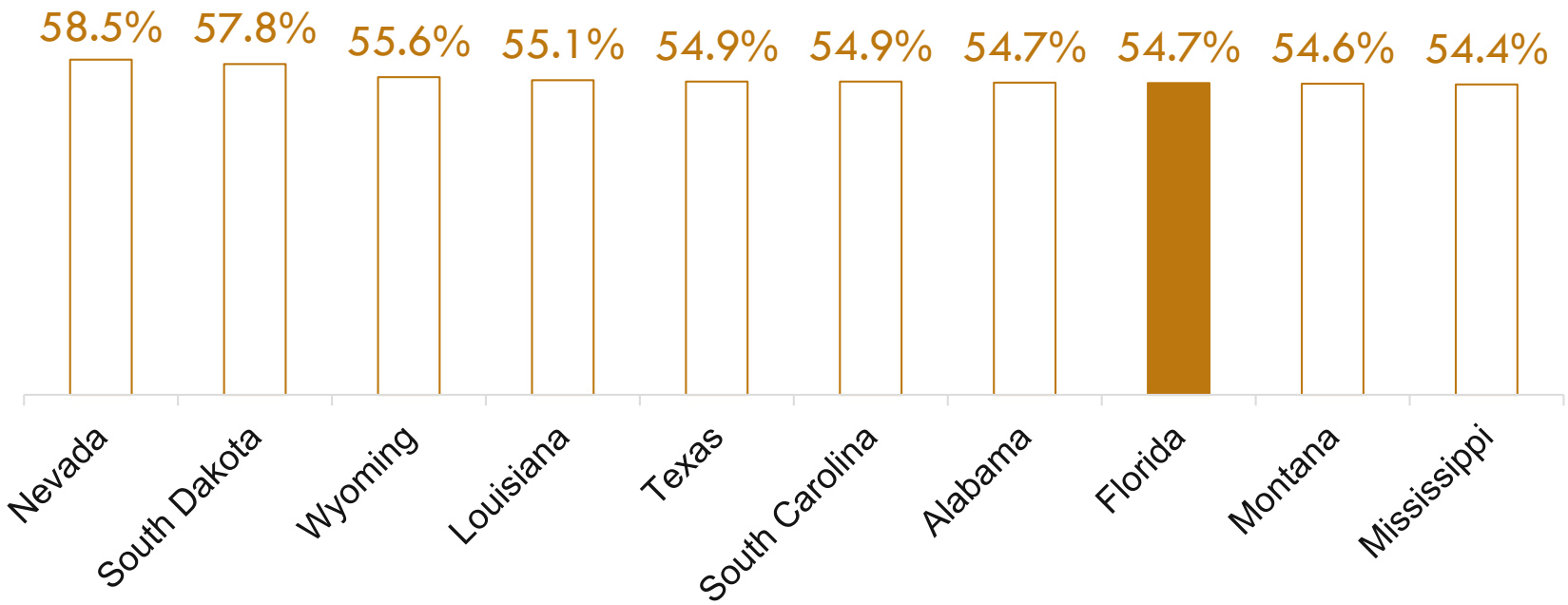
parking spaces in U.S.

3,590

square miles of parking spaces

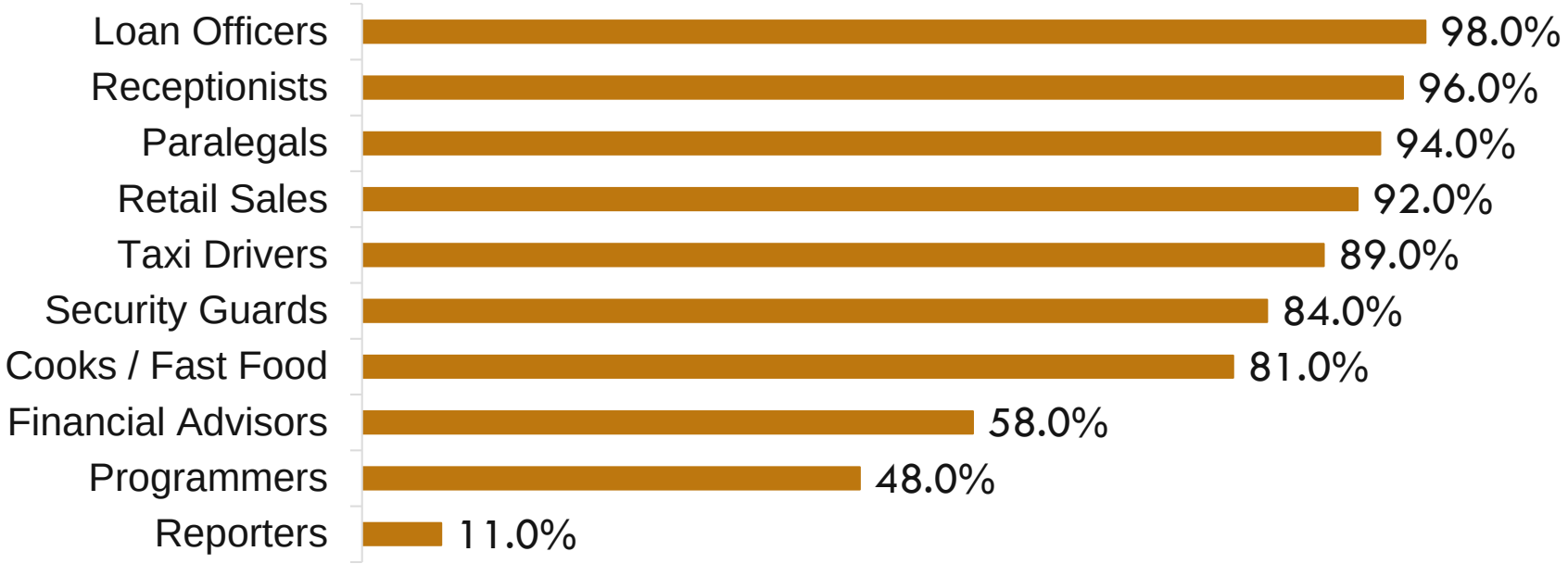
Source: MIT; New York Times

% OF EMPLOYMENT AT RISK OF AUTOMATION OVER NEXT 20 YEARS



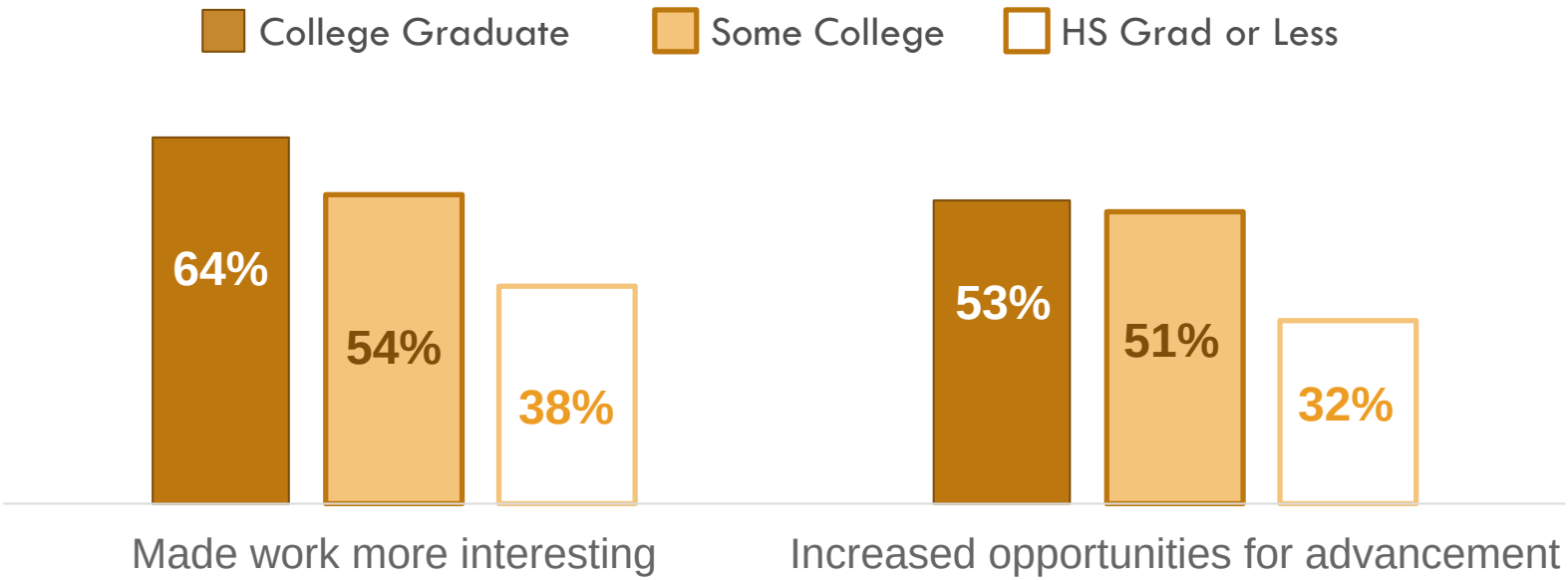
Source: Avalanche Consulting / Frey & Osborne

U.S. JOBS AT RISK OF AUTOMATION OVER NEXT 20 YEARS



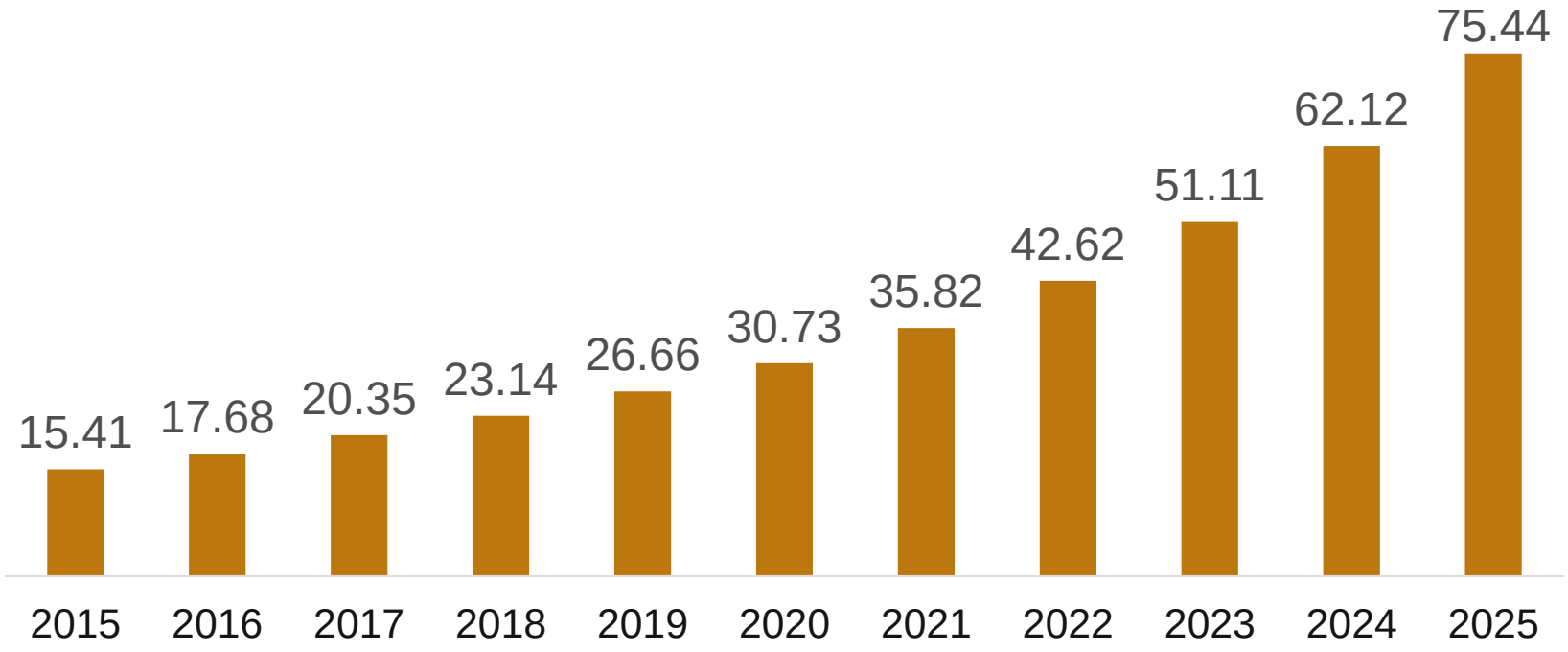
Source: Avalanche Consulting / Frey & Osborne

PERCENT OF WORKERS WHO SAY TECHNOLOGY HAS GENERALLY…



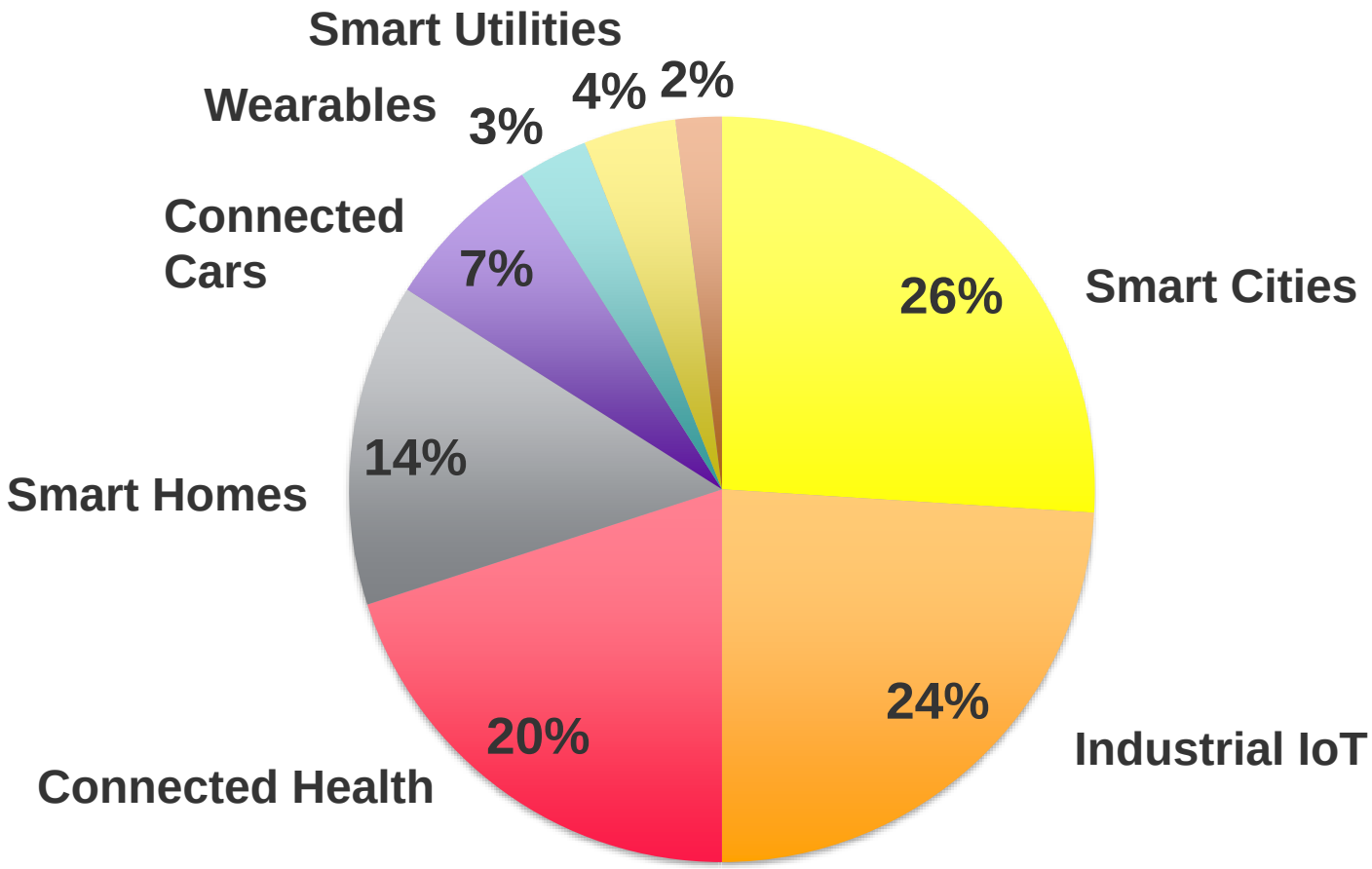
Source: Pew Research Center

IoT CONNECTED DEVICES INSTALLED WORLDWIDE, 2015-2025 (IN BILLIONS)



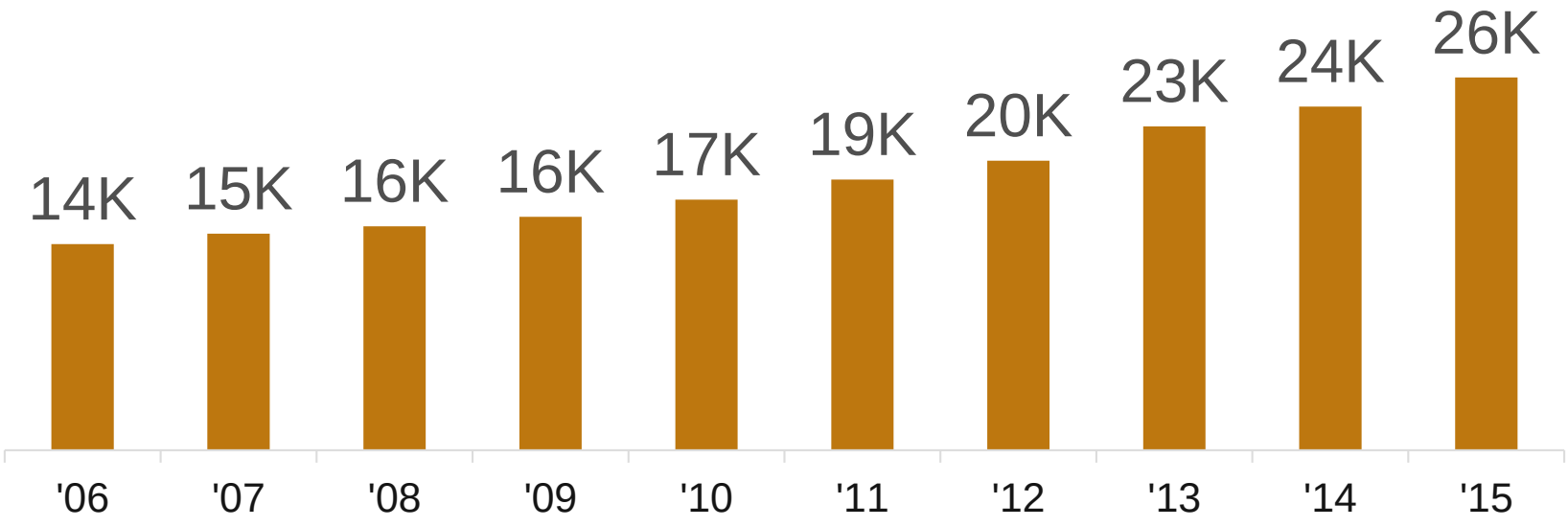
Source: Statista

GLOBAL IoT MARKET SHARE BY SUB-SECTOR, 2020 FORECAST



Source: Statista GrowthEnabler Anallysis

NUMBER OF COMPUTER SCIENCE, ENGINEERING, BIOLOGICAL SCIENCE & MATH DEGREES AWARDED BY FLORIDA COLLEGES & UNIVERSITIES

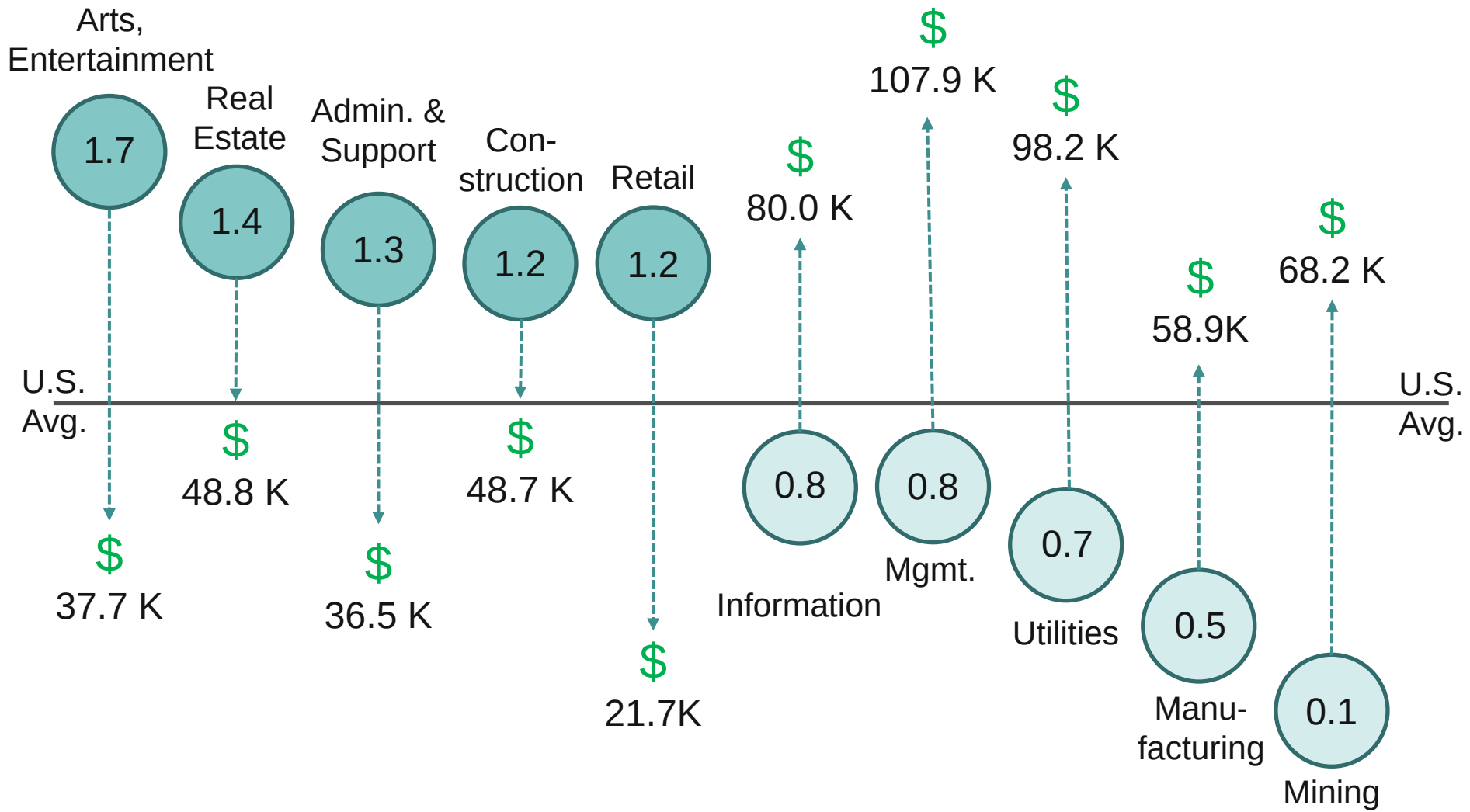


Source: National Science Foundation

Demography

Technology

Economy



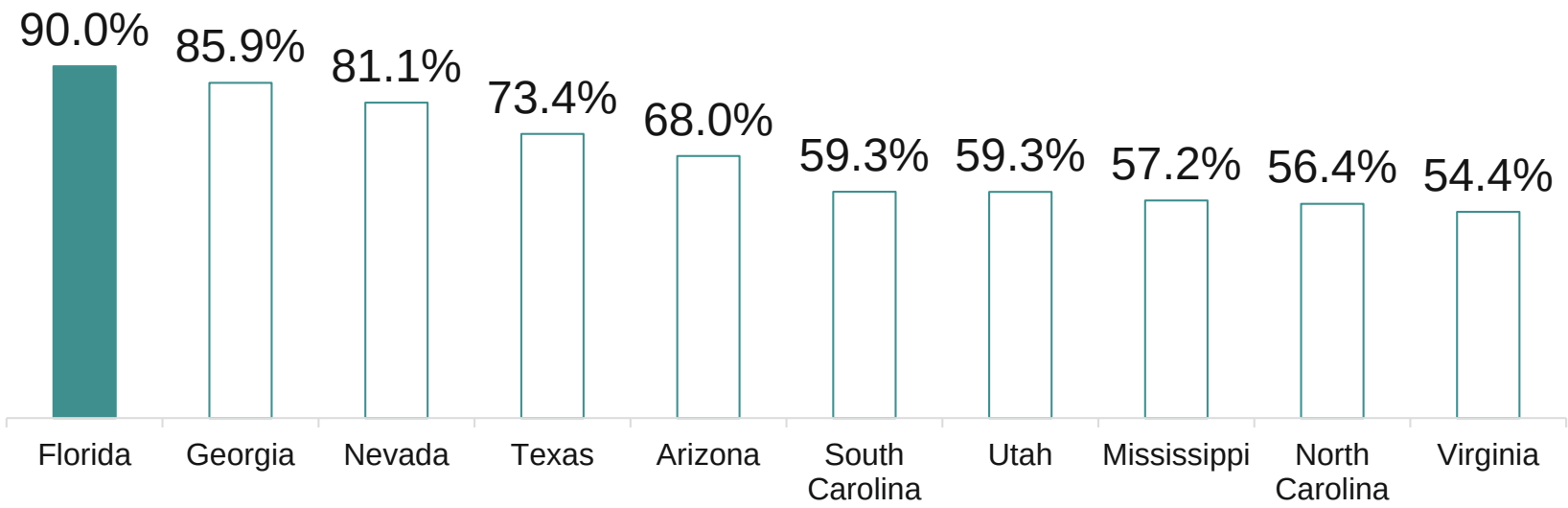
MOST AND LEAST CONCENTRATED SECTORS IN FLORIDA

U.S. Average LQ=1

U.S. Average Annual Wage=$50.6K

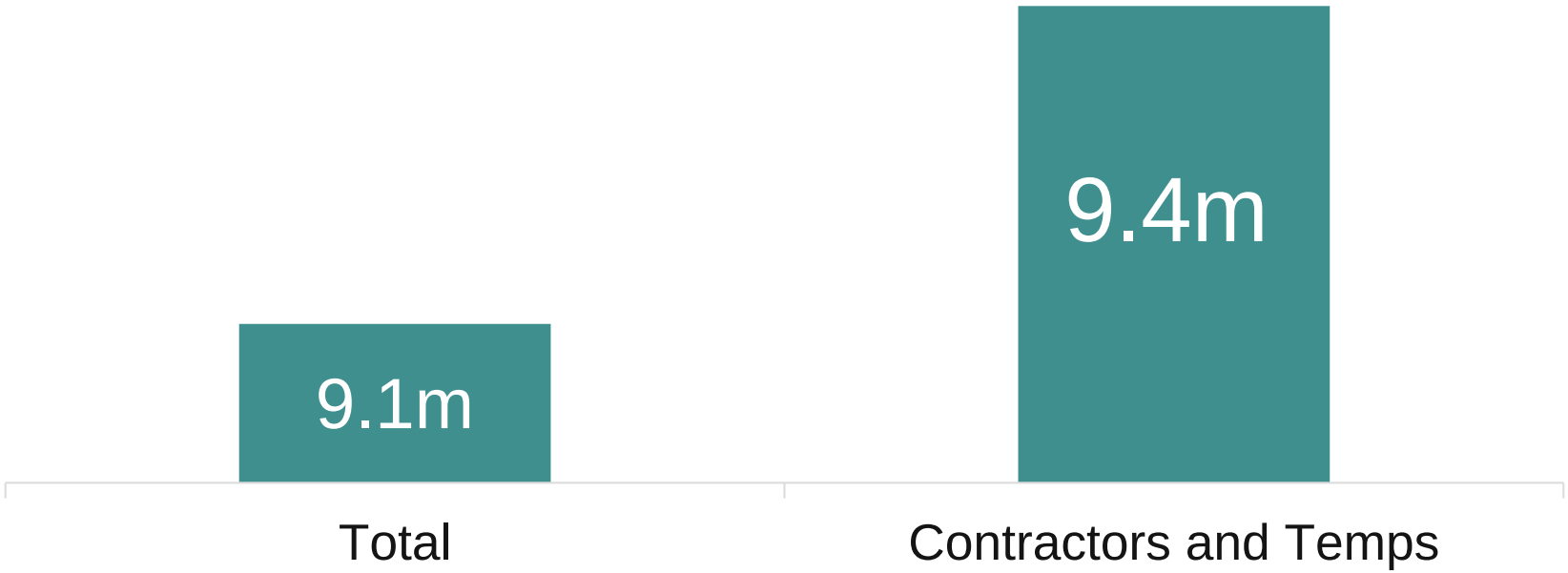
Source: EMSI

% INCREASE IN 1099 WORKERS, 2000 - 2015



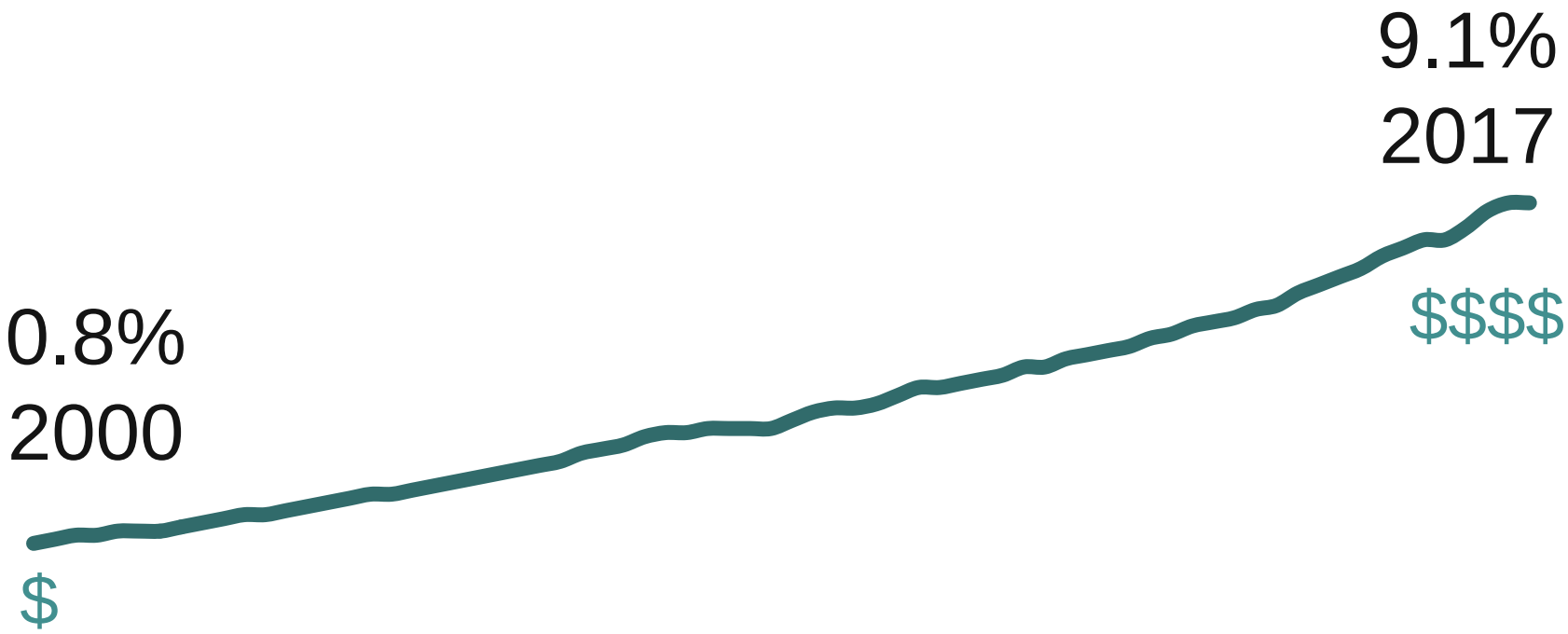
Source: US Census Bureau

NET NEW U.S. JOBS, 2005 – 2015



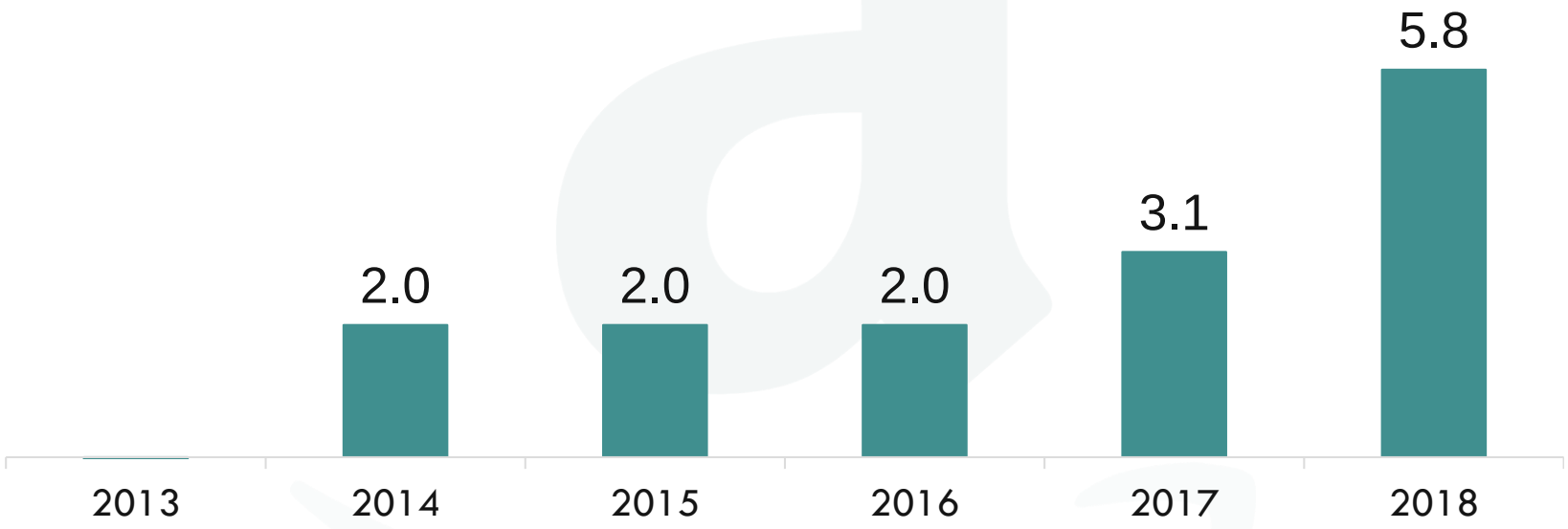
Source: National Bureau of Economic Research

E-COMMERCE SALES AS % OF ALL RETAIL SALES



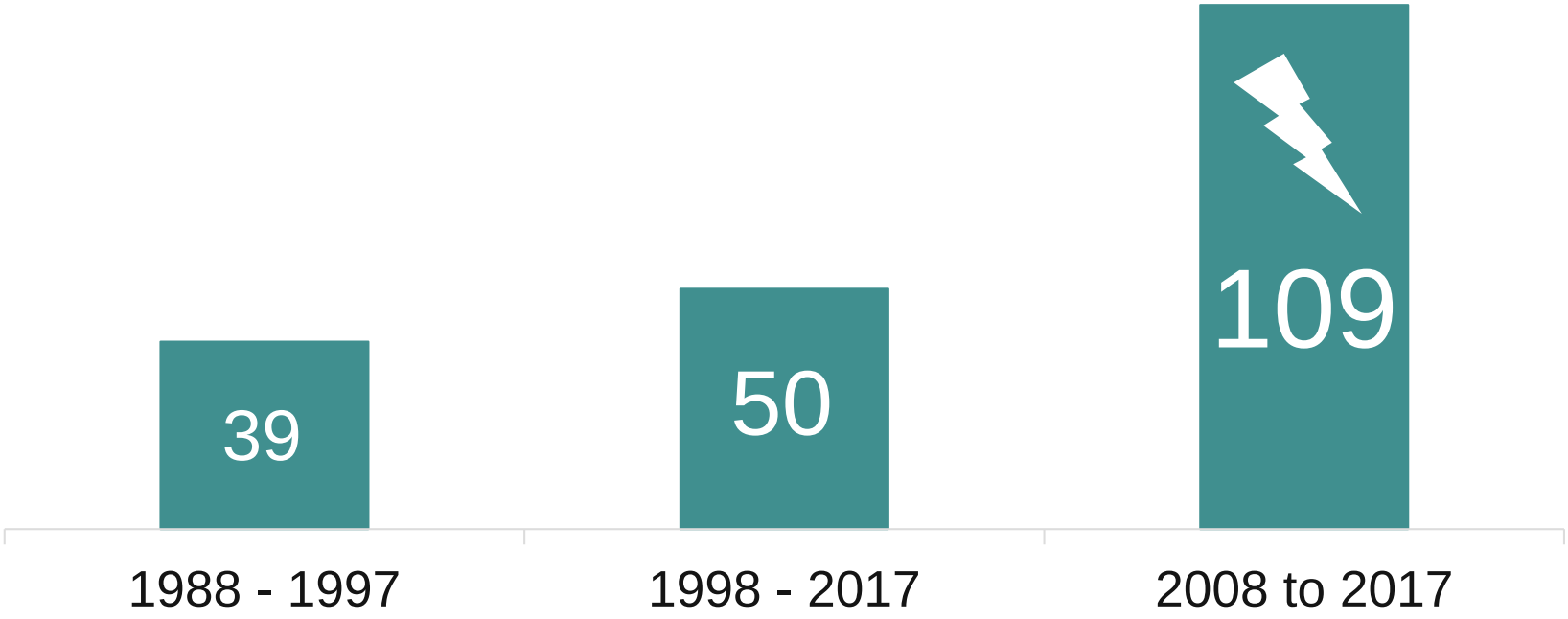
Source: US Census Bureau

AMAZON WAREHOUSE SPACE IN FLORIDA (MILLIONS OF SQUARE FEET)



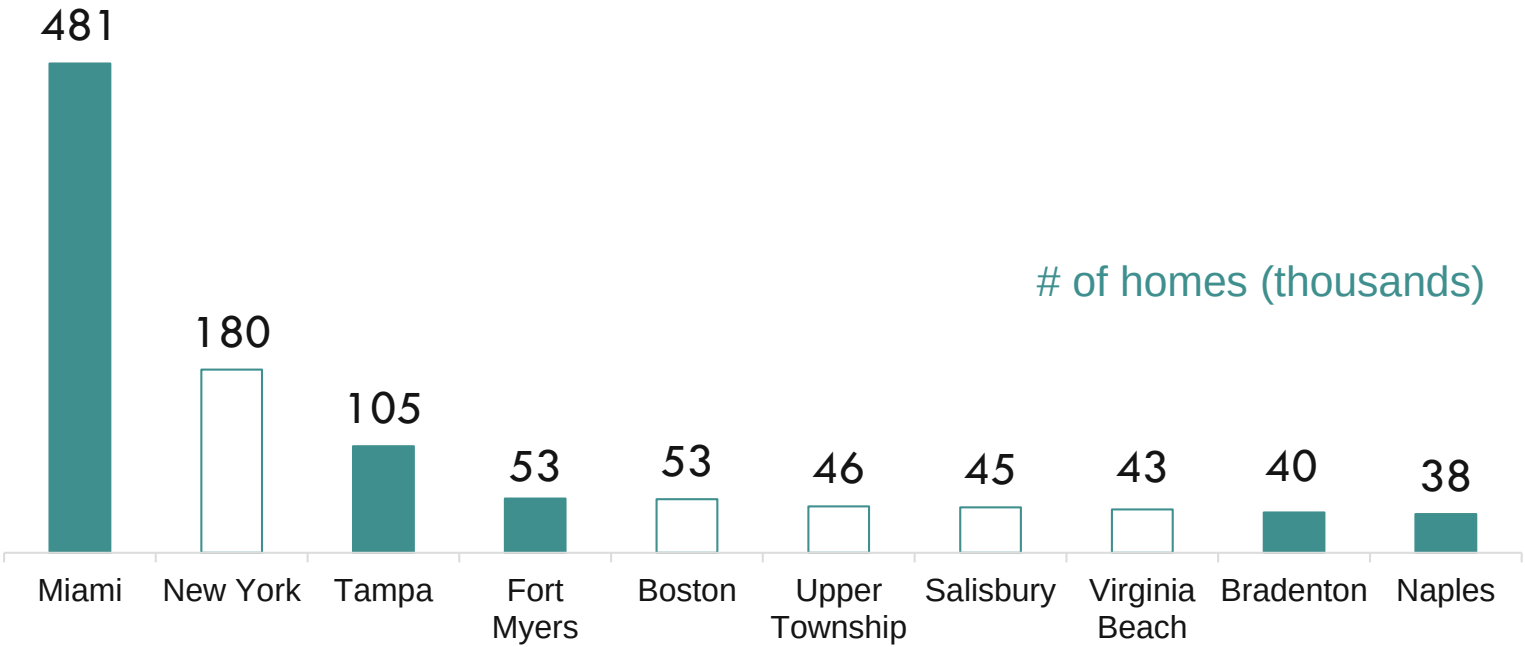
Source: Avalanche Consulting

BILLION-DOLLAR WEATHER & CLIMATE DISASTERS (ADJUSTED FOR INFLATION)



Source: National Centers for Environmental Information

HOMES POTENTIALLY THREATENED BY SIX-FOOT SEA RISE



Source: Zillow / National Oceanic & Atmospheric Administration

Dynamics Explored

Demography

- Aging Workforce
- Increasing Diversity
- Skills Gaps
- Affordability

Technology

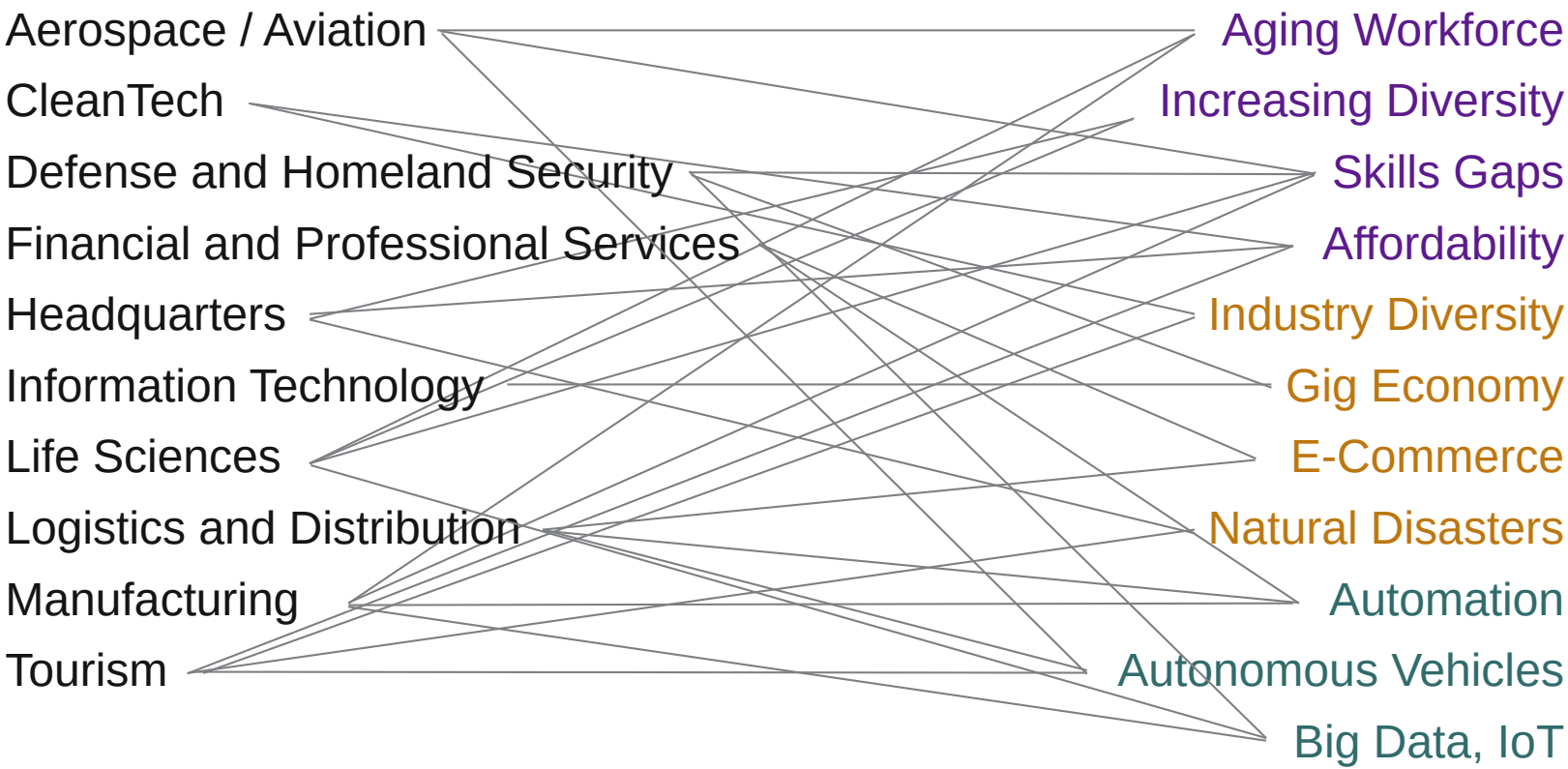
- Autonomous Vehicles
- Automation
- Big Data, IoT

Economy

- Industry Diversity
- Gig Economy
- E-Commerce
- Natural Disasters

Florida Target Industries

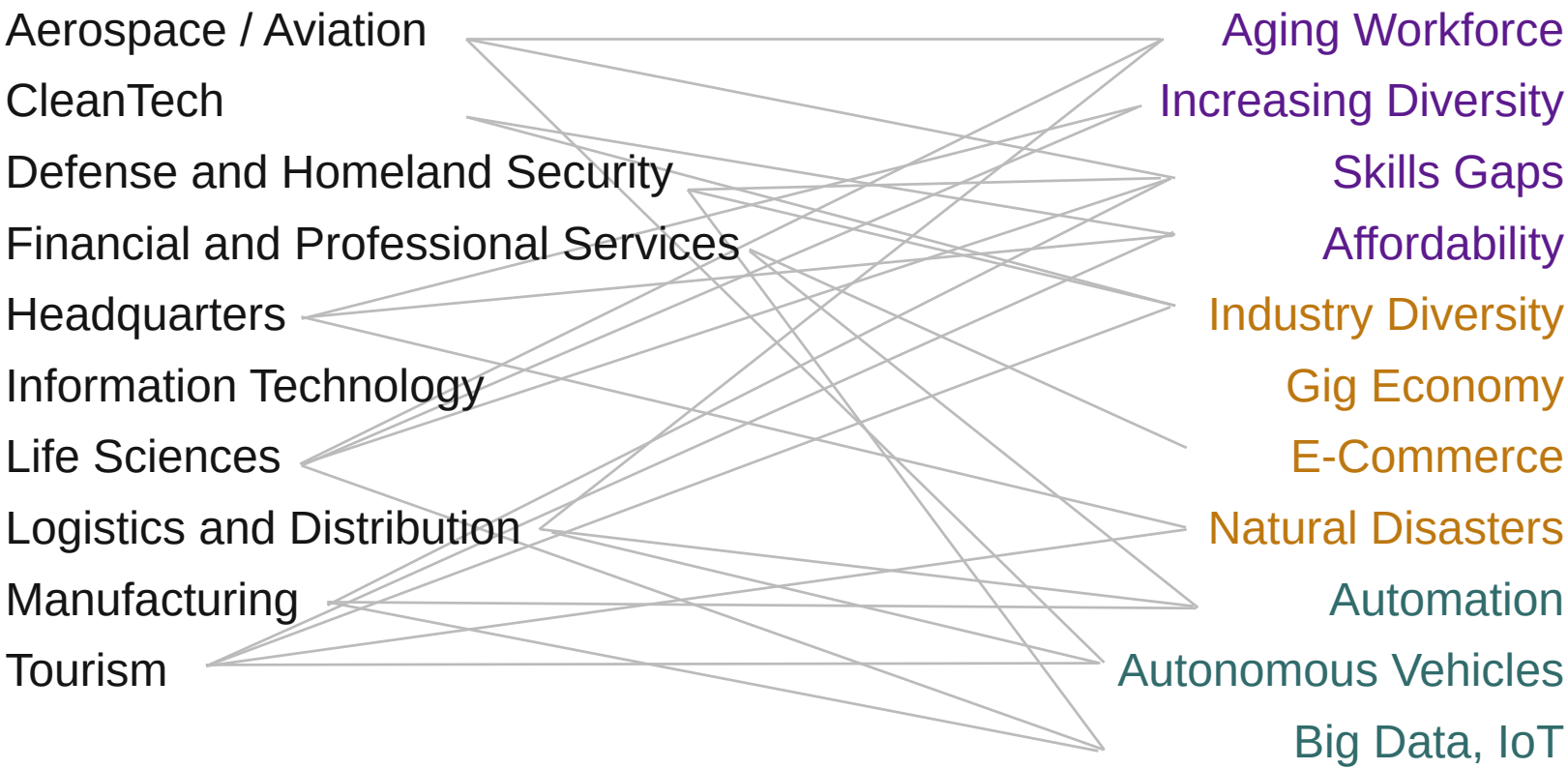
Dynamics



Source: Enterprise Florida; Avalanche Consulting

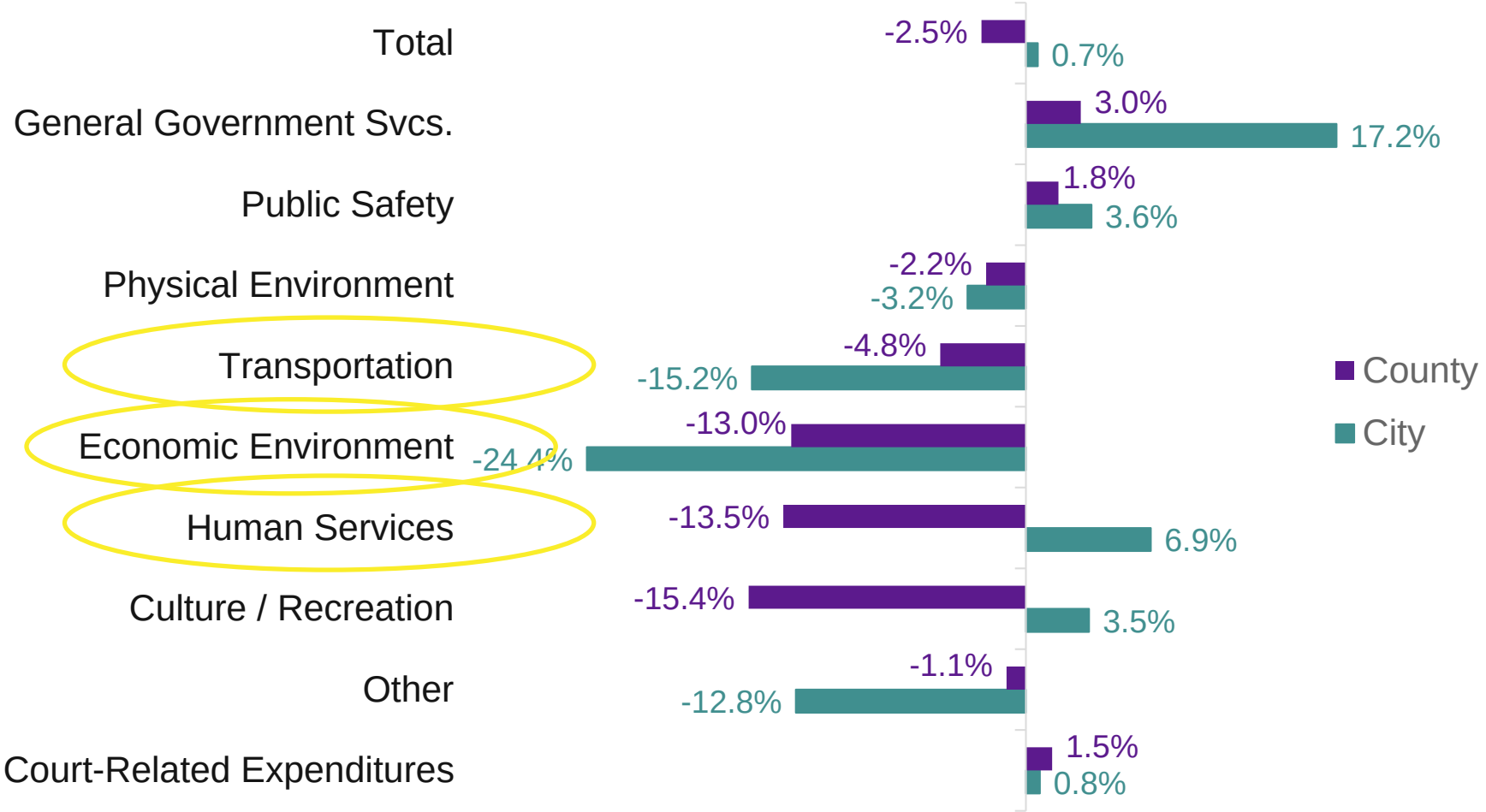
Florida Target Industries

Dynamics



Source: Enterprise Florida; Avalanche Consulting

CHANGE IN PER CAPITA EXPENDITURES, 2010 - 2015



Source: Office of Economic & Demographic Research

How will these dynamics impact your community’s future?

Dynamics Explored

Demography

- Aging Workforce
- Increasing Diversity
- Skills Gaps
- Affordability

Technology

- Autonomous Vehicles
- Automation
- Big Data, IoT

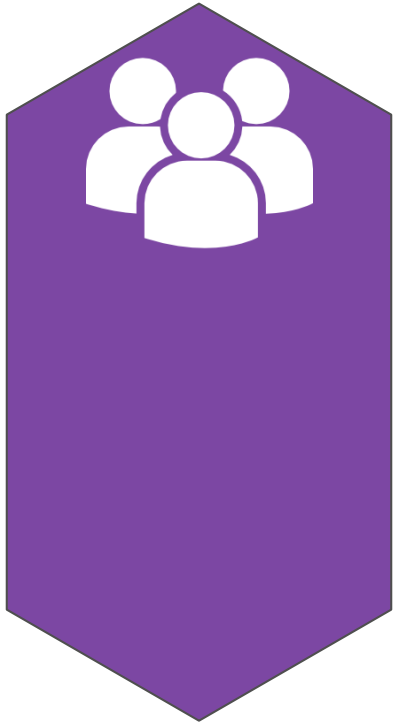
Economy

- Industry Diversity
- Gig Economy
- E-Commerce
- Natural Disasters

Create Your Future

- Aging Workforce
- Increasing Diversity
- Skills Gaps
- Affordability

Demography

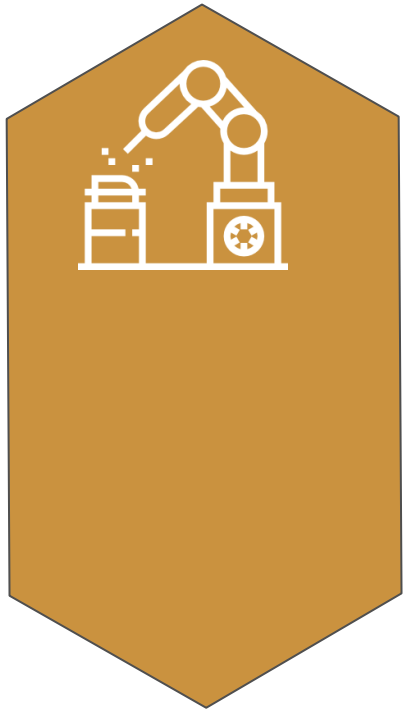


- **Health, housing, mobility services**
- **Inclusive and transparent leadership**
- **Employer engagement, align education**
- **Engage partners to re-engage workers**
- **Plan for quality dense development**
- **Zone for job/transit/housing centers**

Create Your Future

- Autonomous Vehicles
- Automation
- Big Data, IoT

Technology

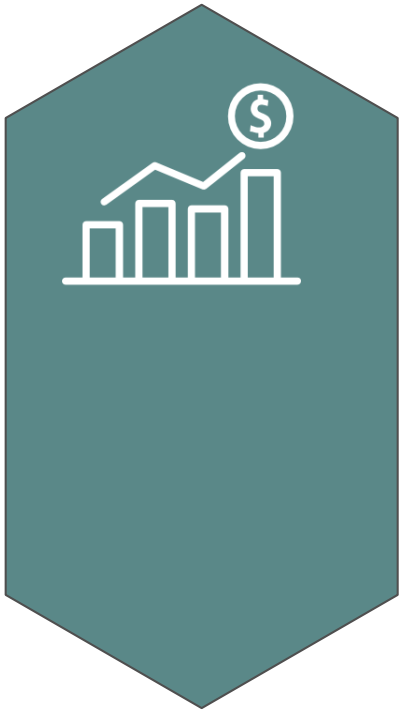


- **Re-imagine transportation infrastructure**
- **Re-purpose public assets, like parking**
- **Invest in broadband everywhere**
- **Invest in Smart City technologies**
- **Prepare for next gen “factories”**

Create Your Future

- Industry Diversity
- Gig Economy
- E-Commerce
- Natural Disasters

Economy



- **Advocate for a more diverse economy**
- **Invest in lifestyle to attract new generation**
- **Encourage flex-time, gig workers**
- **Plan ahead for re-use of retail real estate**
- **Have an economic recovery plan**

What is your community's

leadership agenda?

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avalanche @ChiefSherpa