

DEFINING YOUR PROJECT

TUTORIAL

Petra Isenberg

RESEARCH QUESTIONS (10 MINS)

We discussed your research questions last time

Write down your main research question

Generate a title for what you are about to build

SOME PROFESSIONAL EXAMPLES

What is the VIS about



Who built it



Why should you read this?



Every Tax Cut and Tax Increase in the House G.O.P. Bill and What It Would Cost

By ALICIA PARLAPIANO and ADAM PEARCE NOV. 15, 2017

House Republicans plan to vote Thursday on a bill that includes dozens of tax cuts and tax increases for individual and corporate taxpayers. The measure would add more than \$1.4 trillion to the federal debt over 10 years, according to an analysis by Congress's Joint Committee on Taxation.

Republicans in the Senate are working on their own version of the bill.

Modify disclosure rules for property and CSI...	Repeal the deduction for unused business credit...	Terminate private activity bonds	Repeal almost all payment deduction	Repeal elderly and disabled credit	Do not treat certain self-created property as...	Modify the Section 48 energy investment credit	Allow beneficiaries to offer employees their d...	Treat expenses in contingency fee cases unfor...	Limit exclusion of research income to publicly...
Cut for "pass-through" income	Streamline excise tax on private foundation in...	Repeal credit for advanced nuclear power t...	Modify the credit for advanced nuclear power t...	Cut individual deductions	Permit churches and other nonprofits to engage...	Repatriation of foreign earnings	Increase the required time a home is a primary...	Limit net operating loss deduction	Modify prorating rules for property and casual...
Expand the American Opportunity tax Credit and...	Simplify and reform small business accounting...	Inflation adjustment of exception for foreign...	Apply excise tax to investment income of certa...	Repeal education expenses deduction	Reduce improper claims of earned income tax cr...	Alternate inflation measure	Allow employees who take benefit plan loans to...	Repeal special rule for sale or exchange of pa...	Repeal the exclusion for qualified moving exp...
Repeal deduction for small life insurance comp...	Repeal ability to recharacterize a traditional...	Repeal credit for small businesses to provide...	Subject state and local retirement plans to th...	Make permanent the look-through rule for relat...	Source of income from sales of inventory deter...	Repeal credit for producing oil and gas from m...	Modify treatment of S corporation conversions...	Changes to student loan debt forgiveness on ac...	Repeal tax credit bonds
Repeal deduction for employer-provided gyms	Apply the general rule for making tax account...	Modifies nondiscrimination rules for certain e...	Repeal deduction and exclusions for medical sa...	Repeal the deduction for local lobbying expens...	Repeal education tax breaks including for inte...	Repeal employer moving expenses deduction (exc...	Require work-eligible Social Security number t...	Modify treatment of qualified equity grants	Repeal estate tax
Extend credit for residential energy efficient...	Current year inclusion by United States shareh...	Repeal the Work Opportunity Tax Credit for emp...	Extend American Samoa economic development cre...	Allow employees to continue to make contributi...	Require certain research and experimental exp...	Impose 8% surtax on life insurance company inc...	Repeal exclusions to the limit on the deductib...	Repeal exclusion for employee achievement awar...	Repeal the rollover of publicly traded securit...
Extend temporary increase in limit on cover o...	Repeal inclusion based on withdrawal of previo...	Limit interest deductions	Require child to have Social Security number t...	Don't tax profits earned abroad	Repeal deduction for employer-provided transp...	Eliminate requirement that corporation must be...	Repeal the technical termination of partnerships...	Do not allow tax-exempt bonds for professional...	Repeal credit for testing drugs for rare disea...
Repeal special estimated tax payments	Repeal the enhanced oil recovery credit	Repeal gambling deduction for gambling losses	Impose a three-year holding period for qualif...	Changes to education savings account rules	Restrict insurance business exception to pass...	Repeal advance funding bonds	Repeal the alternative minimum tax for corpora...	Allow employees to allow hardship distribution...	Exempt philanthropic business holdings from pe...
Limit the deduction for R.D.I.C. premiums	Repeal electric vehicle credit	Disallow certain income for purposes of the ea...	Terminate the gov markets tax credit that typi...	Extend domestic production deduction with resp...	Apply participation exemption to investment in...	Repeal foreign base company oil-related income...	New 20% equity tax on executive compensation L...	Change credit for employer payroll taxes paid...	Increase the limitation on small business exp...
Repeal rule for distributions to shareholders...	Full and immediate expensing for qualified in...	Repeal the inflation adjustment and clarify ru...	Repeal like-kind exchanges except for shell pro...	Repeal the exclusion for adoption assistance p...	Require art museums to provide public access t...	Modify reporting requirements for donor-advised...	Credits for higher incomes	Limit on loss with respect to specified 10-p...	Limit deduction of interest by domestic people...
Excise tax on foreign payments	Repeal Alternative Minimum Tax for individuals	Require work-eligible Social Security number t...	Repeal deduction for entertainment related to...	Repeal personal exemption					Include contributions to capital in gross inc...



IL GENDER GAP



Gender Inequality Index: una misura composta delle disuguaglianze tra donne e uomini su tre parametri principali: salute sessuale e riproduttiva; emancipazione; lavoro.

L'ordine va dal Paese con il divario minore tra i generi a quello con le differenze più marcate.

L'Index è calcolato dall'agenzia delle Nazioni Unite che si occupa dei diritti umani (<http://hdr.undp.org/>)

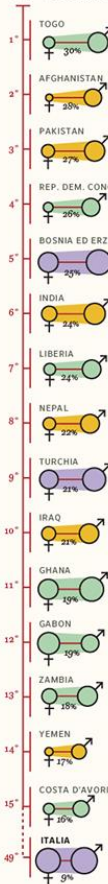
POSIZIONE DEI PAESI NEL GENDER INEQUALITY INDEX 2014

PRIME E ULTIME NAZIONI PER CONTINENTE

PAESI CON PIU' DIVARIO DI GENERE

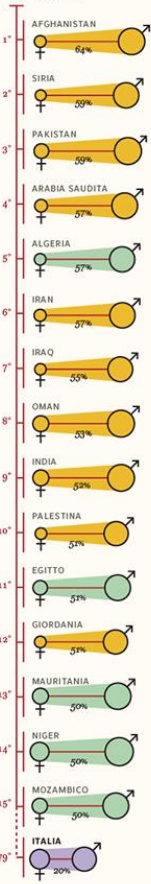
EDUCAZIONE

Popolazione con un'educazione secondaria sopra i 25 anni (su 100 persone)



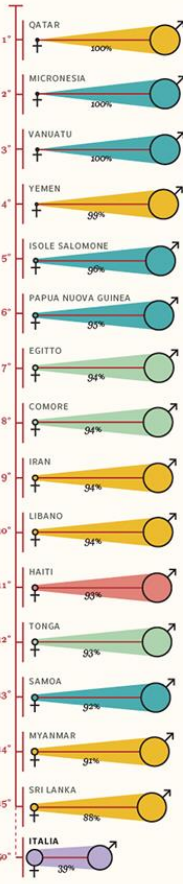
LAVORO

Forza lavoro attiva sopra i 15 anni (su 100 persone)



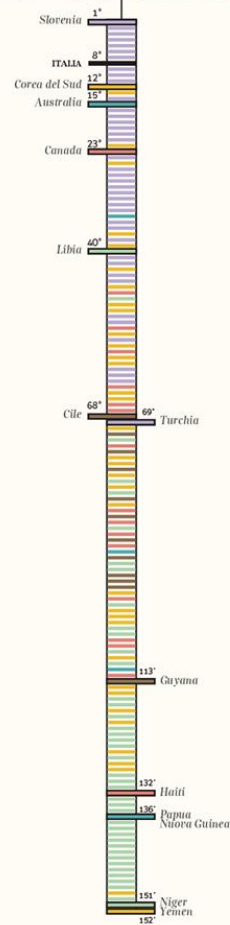
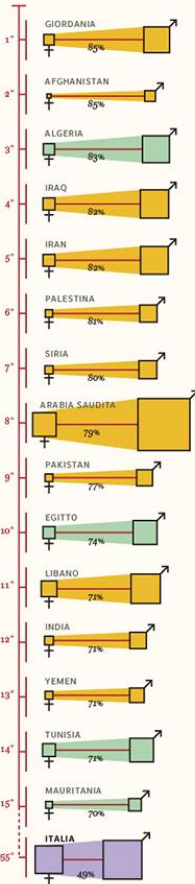
POLITICA

Numero di posti in Parlamento



REDDITO

Reddito netto annuo stimato (in dollari)



What's Your Pay Gap?

Women earn less than men in 439 of 446 major U.S. occupations, a Wall Street Journal examination of the gender pay gap found.

They earn more than men in seven occupations 

↑
Enter your
profession here

Women working as

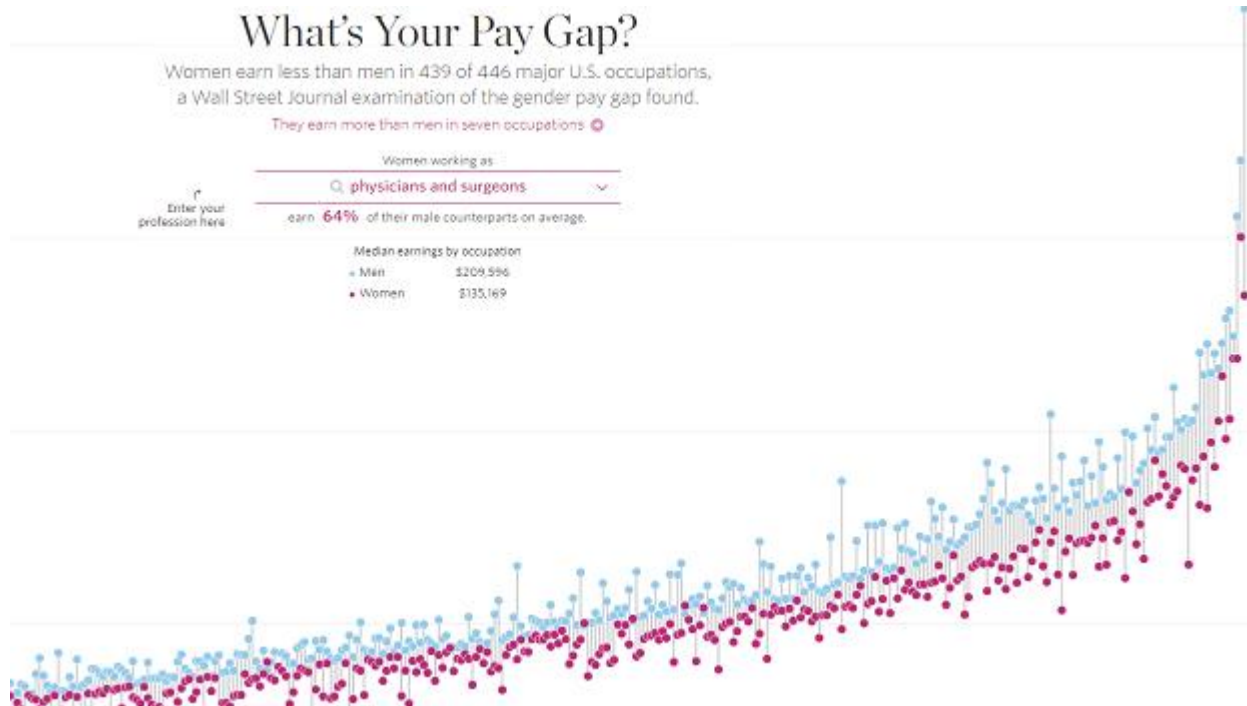
🔍 physicians and surgeons

earn **64%** of their male counterparts on average.

Median earnings by occupation

• Men \$209,596

• Women \$135,169



How Diverse Are US Newsrooms?

The Newspaper Diversity Survey measures the percentage of women and minorities working in US newsrooms. The results from 2017's survey are in.

FILTER

Gender Race

2017 Results

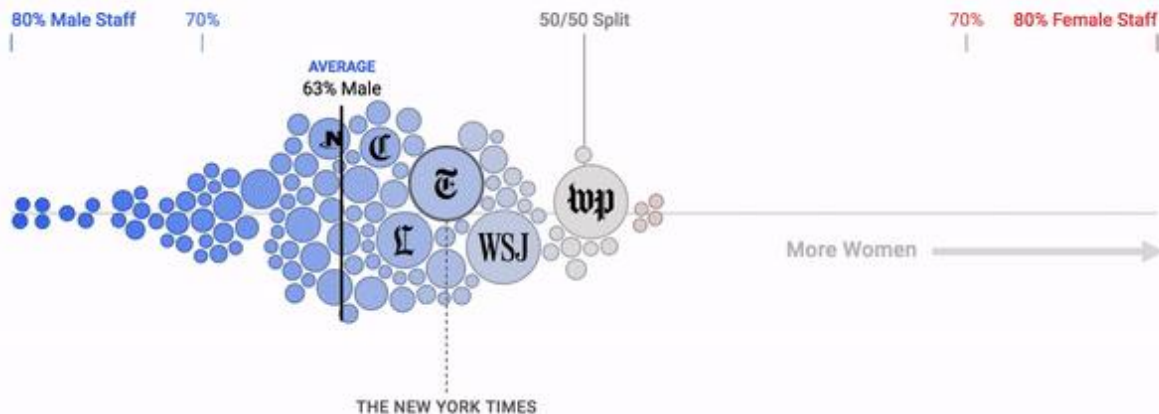
Leadership

2011 Vs. 2017: Top Newsrooms

Overall Change

My Newsroom

NEWSROOM GENDER BREAKDOWN



In Partnership
Google News Lab

Find a Newsroom



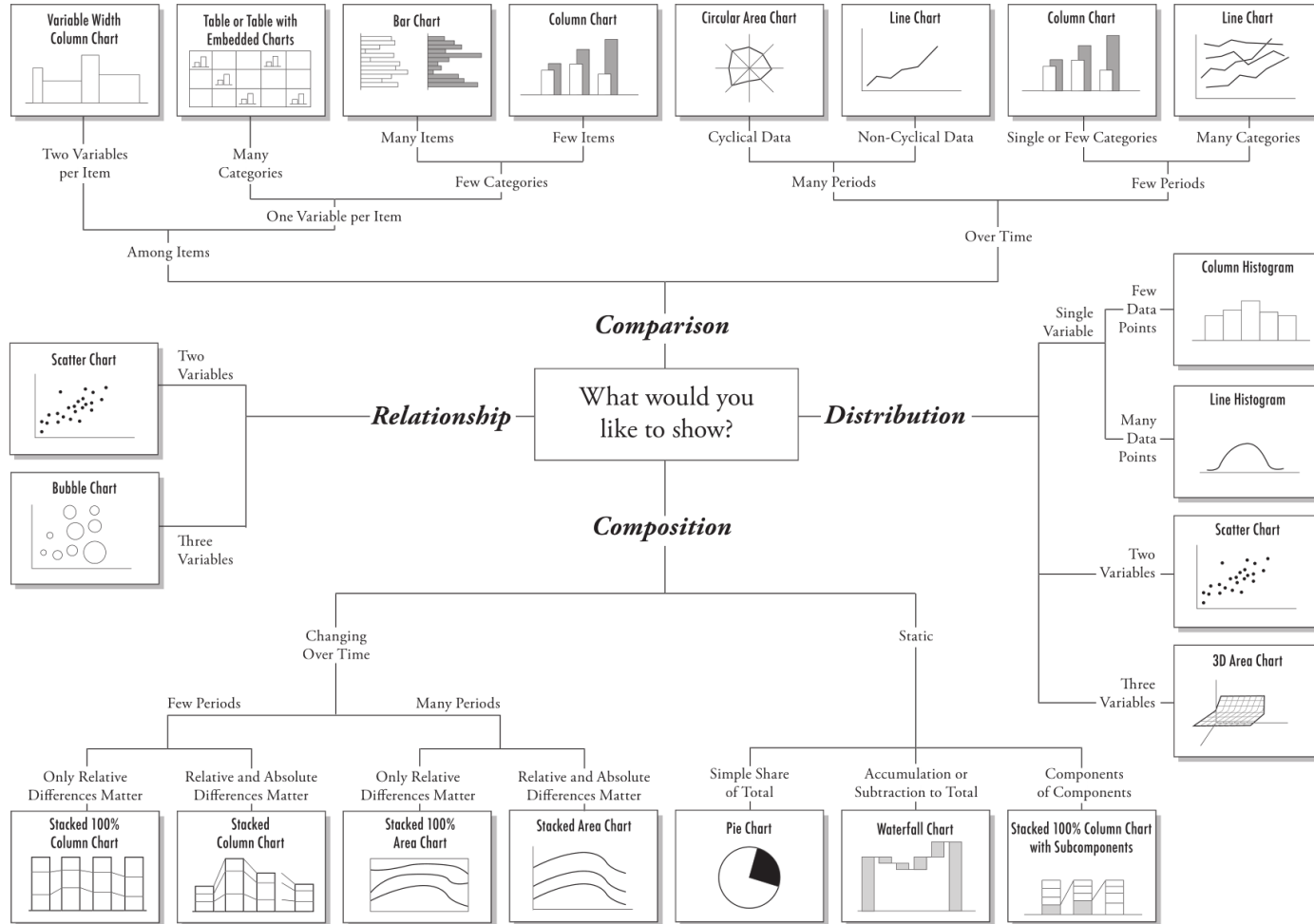
[EMBED THIS CHART](#)

Source: ASNE Survey, 2017
Newsrooms shown are those
with 25 total staff or more

WHERE TO START?

- Start from basic charts and expand from there
- How can these work together?
- Do you have more or more complex data?
 - Think about MD-data visualizations, graphs and trees, animations, timelines, etc.
- Do you have multiple comparisons?
 - Maybe one chart is not enough? How can you present multiple things on the page?

Chart Suggestions—A Thought-Starter



FINAL PROJECT

- Build a visualization
- Make sure that this visualization has:
 - Labels
 - Good coloring
 - Interesting content
 - Makes sense
 - Optional: interaction

CREDIT

Each team member should take credit for one aspect of your project

- Submit a .txt file where you explain the contributions everyone has made

SKETCHING / DISCUSSION

- Sketch and plan your final vis
- Take the feedback from last time into account
- Make sure you know what you will build
- Start implementation