## Data Visualization

Edgar Chicurel

#### Education attainment in selected countries for 25-34 year old.

Percentage of people who got more, the same or less education than their parents, as of 2012.

	MORE	SAME	LESS
	(upwardly	(status	(downwardly
	mobile)	quo)	mobile)
South Korea	61%	35	3
Italy	45	49	5
Ireland	45	44	12
Russia	44	46	11
Spain	41	49	10
France	40	50	10
Finland	39	46	15
Netherlands	38	45	17
Poland	36	57	7
Australia	36	48	16
Belgium*	35	52	13
Britain*	33	51	16
Denmark	28	54	18
Canada	27	54	18
Japan	25	58	18
Sweden	24	47	28
United States	24	54	23
Estonia	23	50	27
Slovakia	23	67	10
Norway	22	51	27
Austria	21	57	21
Germany	19	57	24
Czech Rep.	17	71	12

Percentage of people who attained education beyond high school, as of 2014.

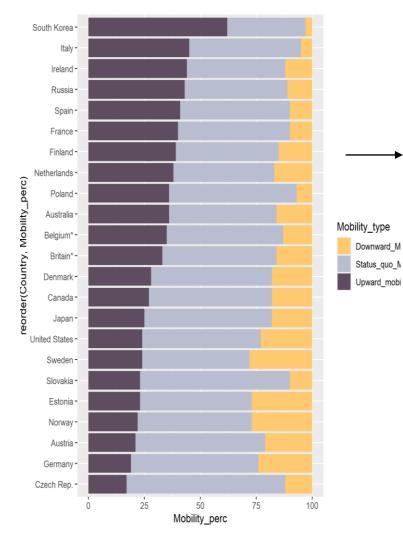
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(	C	25%		50	MEN	
South Korea	a			64	1	72
Canada				•••••		
Norway			••••			
Ireland			•••••			
Australia						
Sweden			•••••			
Poland			•••••	•		
Britain				••••		
Belgium			• • • • • • •	•••••		
United Stat	es·····		41 •··	• 51	Ŀ · · · · · ·	
Denmark			•••••	<b>.</b>		
Estonia		••••		<b>.</b>		
Netherlands	3		••••	• · · · ·		
France				•••••		
Finland		•••••		• · · · ·		
Spain				•••••		
Austria			••••			
Slovakia		• 🖷 • • • •	•••••••			
Czech Rep.			••••••			
Italy	19	•••	30			
Germany	······	28 🔘	29 ····			

Gender data for Russia and Japan not available.

NY Times graph: "Where education drives mobility"

Percentage of people who got more, the same or less education than their parents, as of 2012.

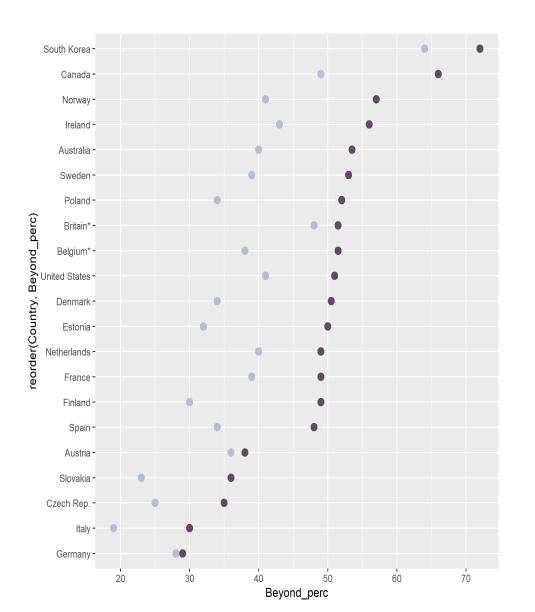
### First Graph



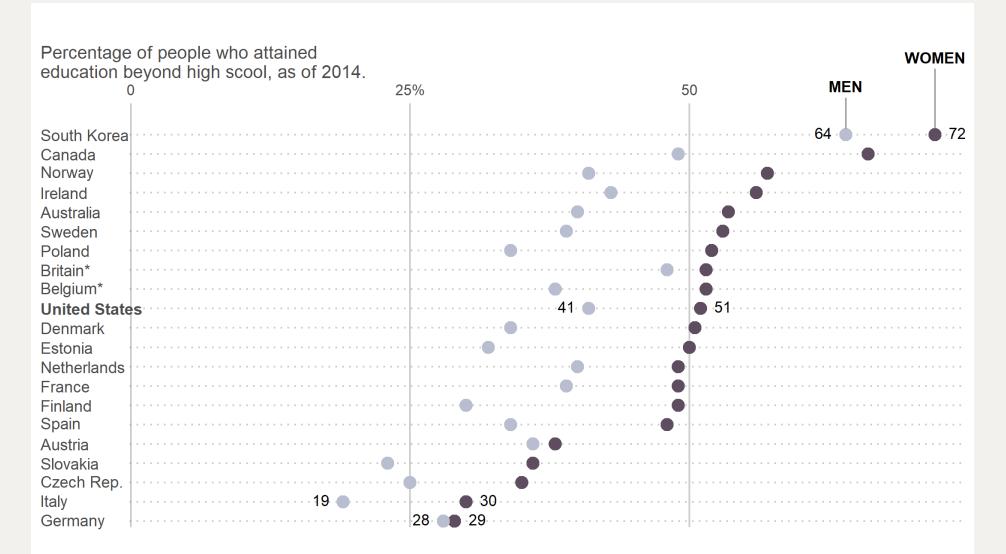
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## Second Graph







Gender data for Russia and Japan not available.

# Merged them together

- Patchworks
- Fixing ratios
- Annotate line and title

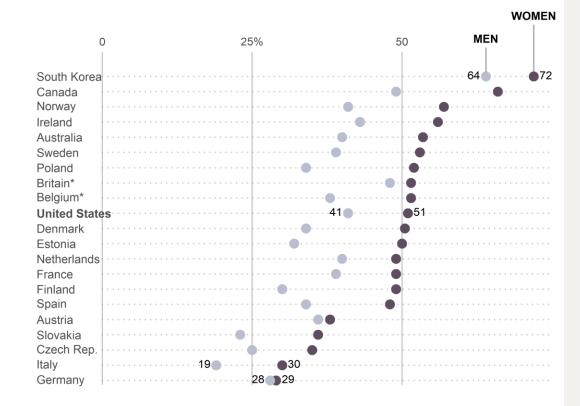
### Result

#### Education attainment in selected countries for 25-34 year old.

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Percentage of people who attained education beyond high scool, as of 2014.

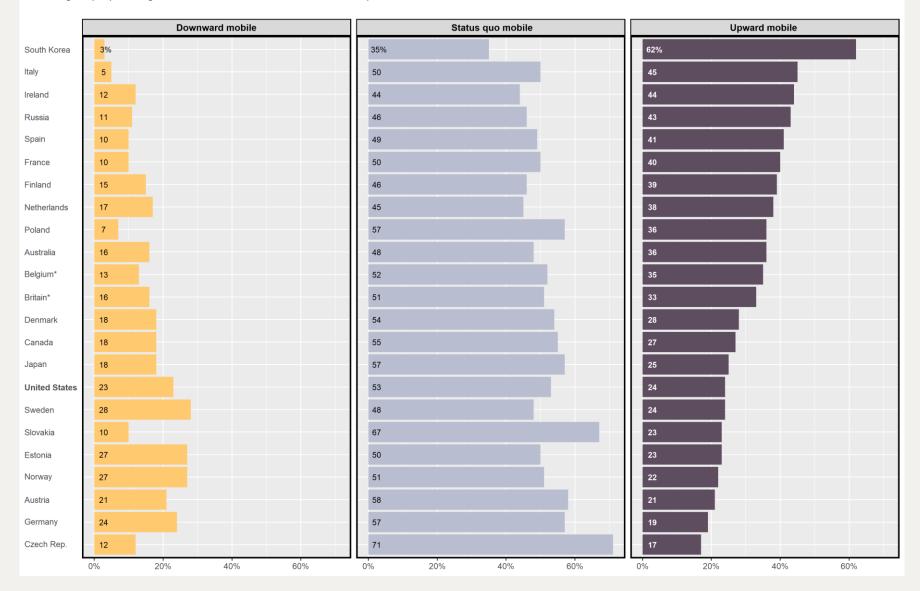


## Alternative Representation

- Treemap , Circle Packing & others
- Problem is that couldn't see clear the % value
- Facet Wrap

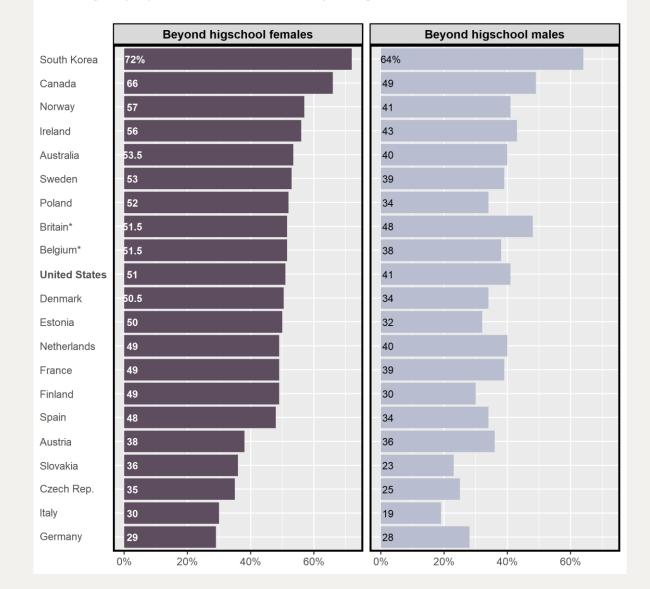
### First Alternative Graph

Percentage of people who got more, the same or less education than their parents, as of 2012.



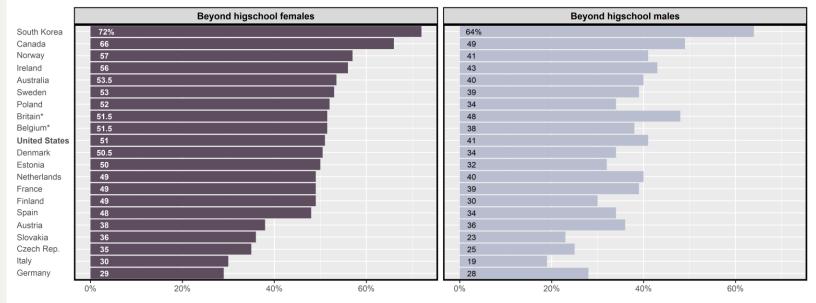
### Second Alternative Graph

Percentage of people who attained education beyond high scool, as of 2014.

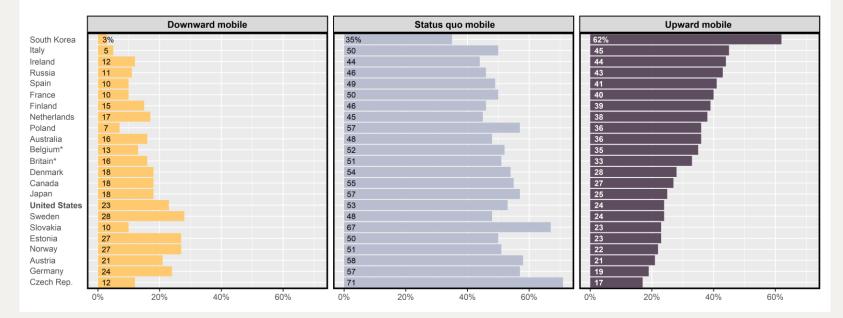


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# Conclusion

### Challenges & end results

- Arranging the data in the desired order
- Adding specific elements to only a few values like %
- Merging the two graphs together
- Determining the correct dimensions, aspect ratios, plot layout, coordinate limits, etc.
- Aspect ratios not 100% the same to original graph

### Alternative representation

- Facet wrap option
- Clear and tidy way to view the data
- Not have been the most complex method but satisfied with result.