Data Visualization

CONCLUSION

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Conclusion

Data for the exploratory data analysis task

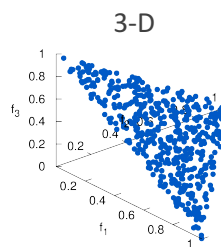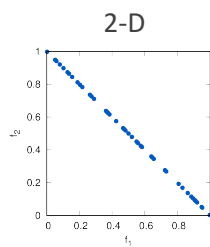Feedback on the course

What now?

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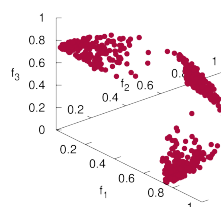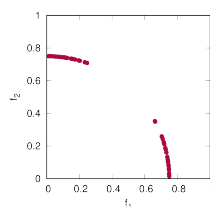
Data for the exploratory data analysis task

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Linear and spherical sets

2-D	3-D

Linear set with a 'uniform' distribution of points

Spherical set with a clustered distribution of points

Sets for each group

	Set A	Set B
Group 1	Linear (4-D), 305 points Domain = [0, 1.11]^4	Spherical (4-D), 330 points Radius r = 1.07
Group 2	Linear (4-D), 252 points Domain = [0, 1]x[0, 2]x[0, 4]x[0, 8]	Spherical (4-D), 293 points Radius r = 4.51
Group 3	Spherical (5-D), 510 points Radius r = 1.44	Linear (5-D), 412 points Domain = [0, 1.23]^4
Group 4	Linear (5-D), 488 points Domain = [0, 1. 54]^4	Spherical (5-D), 412 points Radius r = 1.12
Group 5	Spherical (4-D), 304 points Radius r = 5.42	Linear (4-D), 298 points Domain = [0, 1]x[0, 2]x[0, 4]x[0, 8]
Group 6	Spherical (4-D), 278 points Radius r = 1.55	Linear (4-D), 332 points Domain = [0, 1.75]^4

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Feedback on the course

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Feedback on the course

Topics
o Foundations (purposes, the three principles of good visualization design)
o Human visual perception
o Designing a visualization
o Creating visualizations in Python

What would you have wanted to hear more/less about?

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What now?

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Read online tips and tutorials

o Chartable: https://blog.datawrapper.de
o Eager eyes: https://eagereyes.org
o FlowingData: https://flowingdata.com
o Information is beautiful: https://informationisbeautiful.net
o PolicyViz: https://policyviz.com
o Randal S. Olson: http://www.randalolson.com/blog/
o Storytelling with data: https://www.storytellingwithdata.com/
o The functional art: http://www.thefunctionalart.com
o Telling stories with data: http://www.chadskelton.com
o Vis4.net: https://www.vis4.net/blog/
o Visualizing data: http://www.visualisingdata.com

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Listen to podcasts

http://datastori.es	https://www.storytellingwithdata.com/podcast/	https://policyviz.com/podcast/
By Enrico Bertini and Moritz Stefaner	By Cole Nussbaumer Knaflic	By Jonathan Schwabish
Since February 2012	Since November 2017	Since April 2015
129 episodes	10 episodes	137 episodes
~45 min / episode	~40 min / episode	~20 min / episode

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Participate in challenges

Makeover Monday
- Weekly challenge
- Create better visualization for the given data
- http://www.makeovermonday.co.uk/

#SWDchallenge (SWD = Storytelling with data)
- Monthly challenge
- Practice and apply data visualization and storytelling skills
- https://www.storytellingwithdata.com/swdchallenge/

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Watch the next

Euro♡ision ;-)
SONG CONTEST

https://www.youtube.com/watch?v=Cv6tgnx6jTQ

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