General course information

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14 January

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Skolkovo Institute of Science and Technology

Topics covered

	16:00-17:00	17:00-18:00
14 Jan	Storytelling with data	Essentials of matplotlib and seaborn
15 Jan	Advanced plots with seaborn	Interactive data visualization in Python: bokeh, plotly
16 Jan	Machine learning models visualization	Practice of ML models visualization in Python
17 Jan	Dimension reduction via Machine Learning	Practice of dimension reduction
18 Jan	Visualizing time series data	Visualizing Large data

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Grading

5 assignments

1 hour each assignments

20% of final grade each assignment

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Books

1. Knaflic, C.N. *Storytelling with data: A data visualization guide for business professionals*. John Wiley & Sons, 2015
2. Jones, S.P. *How to Write a Great Research Paper,* Microsoft Research. https://youtu.be/WP-FkUaOcOM
3. Alley, M. *The craft of scientific presentations*. New York (NY): Springer, 1996.
4. https://scikit-learn.org
5. Friedman, J., Hastie, T. and Tibshirani, R., 2001. *The elements of statistical learning*. New York, NY, USA