**Московский государственный технический**

**университет им. Н.Э. Баумана.**

Факультет «Информатика и управление»

Кафедра ИУ5. Курс «Машинное обучение»

Отчет по лабораторной работе №2

«Разведочный Анализ данных. Изучение библиотек обработки данных»

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## Exploratory data analysis with Pandas

**Same assignment as a**[**Kaggle Kernel**](https://www.kaggle.com/kashnitsky/a1-demo-pandas-and-uci-adult-dataset)**+**[**solution**](https://www.kaggle.com/kashnitsky/a1-demo-pandas-and-uci-adult-dataset-solution)**.**

**In this task you should use Pandas to answer a few questions about the**[**Adult**](https://archive.ics.uci.edu/ml/datasets/Adult)**dataset. (You don't have to download the data – it's already in the repository). Choose the answers in the**[**web-form**](https://docs.google.com/forms/d/1uY7MpI2trKx6FLWZte0uVh3ULV4Cm_tDud0VDFGCOKg)**.**

Unique values of all features (for more information, please see the links above):

* age: continuous.
* workclass: Private, Self-emp-not-inc, Self-emp-inc, Federal-gov, Local-gov, State-gov, Without-pay, Never-worked.
* fnlwgt: continuous.
* education: Bachelors, Some-college, 11th, HS-grad, Prof-school, Assoc-acdm, Assoc-voc, 9th, 7th-8th, 12th, Masters, 1st-4th, 10th, Doctorate, 5th-6th, Preschool.
* education-num: continuous.
* marital-status: Married-civ-spouse, Divorced, Never-married, Separated, Widowed, Married-spouse-absent, Married-AF-spouse.
* occupation: Tech-support, Craft-repair, Other-service, Sales, Exec-managerial, Prof-specialty, Handlers-cleaners, Machine-op-inspct, Adm-clerical, Farming-fishing, Transport-moving, Priv-house-serv, Protective-serv, Armed-Forces.
* relationship: Wife, Own-child, Husband, Not-in-family, Other-relative, Unmarried.
* race: White, Asian-Pac-Islander, Amer-Indian-Eskimo, Other, Black.
* sex: Female, Male.
* capital-gain: continuous.
* capital-loss: continuous.
* hours-per-week: continuous.
* native-country: United-States, Cambodia, England, Puerto-Rico, Canada, Germany, Outlying-US(Guam-USVI-etc), India, Japan, Greece, South, China, Cuba, Iran, Honduras, Philippines, Italy, Poland, Jamaica, Vietnam, Mexico, Portugal, Ireland, France, Dominican-Republic, Laos, Ecuador, Taiwan, Haiti, Columbia, Hungary, Guatemala, Nicaragua, Scotland, Thailand, Yugoslavia, El-Salvador, Trinadad&Tobago, Peru, Hong, Holand-Netherlands.
* salary: >50K,<=50K





