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**Радиотехнический факультет (РТ)**

Отчёт по лабораторной работе № 2

По теме

«Разведочный анализ данных. Изучение библиотек обработки данных»

По дисциплине

«Технологии машинного обучения»

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| «\_\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_ 2020 г. | «\_\_\_» \_\_\_\_\_\_\_\_\_\_\_\_\_ 2020 г. |

Москва, 2020

# 1 Ход работы

1.1 Exploratory data analysis with Pandas

Same assignment as a Kaggle Kernel + solution.

In this task you should use Pandas to answer a few questions about the Adult dataset. (You don't have to download the data – it's already in the repository). Choose the answers in the web-form.

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











