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| Gerb-BMSTU_01 | **Министерство науки и высшего образования Российской Федерации**  **Федеральное государственное бюджетное образовательное учреждение**  **высшего образования**  **«Московский государственный технический университет**  **имени Н.Э. Баумана**  **(национальный исследовательский университет)»**  **(МГТУ им. Н.Э. Баумана)** |

ФАКУЛЬТЕТ \_\_\_\_\_\_\_\_ИНФОРМАТИКА И СИСТЕМ УПРАВЛЕНИЯ\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

КАФЕДРА \_\_\_\_\_\_\_СИСТЕМЫ ОБРАБОТКИ ИНФОРМАЦИИ И УПРАВЛЕНИЯ (ИУ5)\_

**О Т Ч Е Т**

**по лабораторной работе №2**

по дисциплине: Технологии машинного обучения

на тему: Изучение библиотек обработки данных.

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(Подпись, дата) (И.О.Фамилия)

*2020 г.*

1. ***Цель лабораторной работы:***

Изучить библиотеку обработки данных Pandas.

1. ***Задание****:*

Выполните первое демонстрационное задание "demo assignment" под названием "Exploratory data analysis with Pandas" со страницы курса <https://mlcourse.ai/assignments>

**В этой задаче вы должны использовать Pandas, чтобы ответить на несколько вопросов о наборе данных**

1. ***Ход выполнения работы:***

# Текстовое описание данных

* **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

# Загрузка данных

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# Выполнение задания

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