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1-qism

Quantitative data analysis

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Stata

- Data kiritilishi (importing)
- Data tozalanishi (cleaning)
- Data tahlil qilinishi (analysis)
- Natijalarni chop etish (output)

Stata

Agar savollaringiz bo'lsa, Help
munusidan foydalaning

Stata/IC 14.1

File Edit Data Graphics Statistics User Window Help

Review

Filter commands here

#	Command	IC
---	---------	----

Results

(R) 14.1 Copyright 1985-2015 StataCorp LP
StataCorp
4905 Lakeway Drive
College Station, Texas 77845 USA
800-STATA-PC <http://www.stata.com>
979-696-4600 stata@stata.com
979-696-4601 (fax)

Single-user Stata network license expires 29 Feb 2016:
Serial number: 501409275699
Licensed to: Freeman School of Business
Tulane University

Notes:
1. Unicode is supported; see [help unicode_advice](#).

Variables

Filter variables here

#	Name	Label
---	------	-------

Properties

Name
Label
Type
Format
Value label
Notes

INS

/lustre/project/hpcstaff/fuji/STATA

Stata

WIUT

Amaliyot

Ma'lumotlar:

<https://api.stat.uz/api/v1.0/data/godaklar-olimi-koeffitsienti-jami?lang=en&format=csv>

<https://api.stat.uz/api/v1.0/data/aholi-jon-boshiga-yalpi-ichki-hududiy-mahsulot-h?lang=en&format=csv>

<https://api.stat.uz/api/v1.0/data/ishsizlar?lang=en&format=csv>

Stata

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RLMS ma'lumotlari

<https://dataverse.unc.edu/dataverse/rlms-hse>



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2-qism

Big data and Machine Learning Technique

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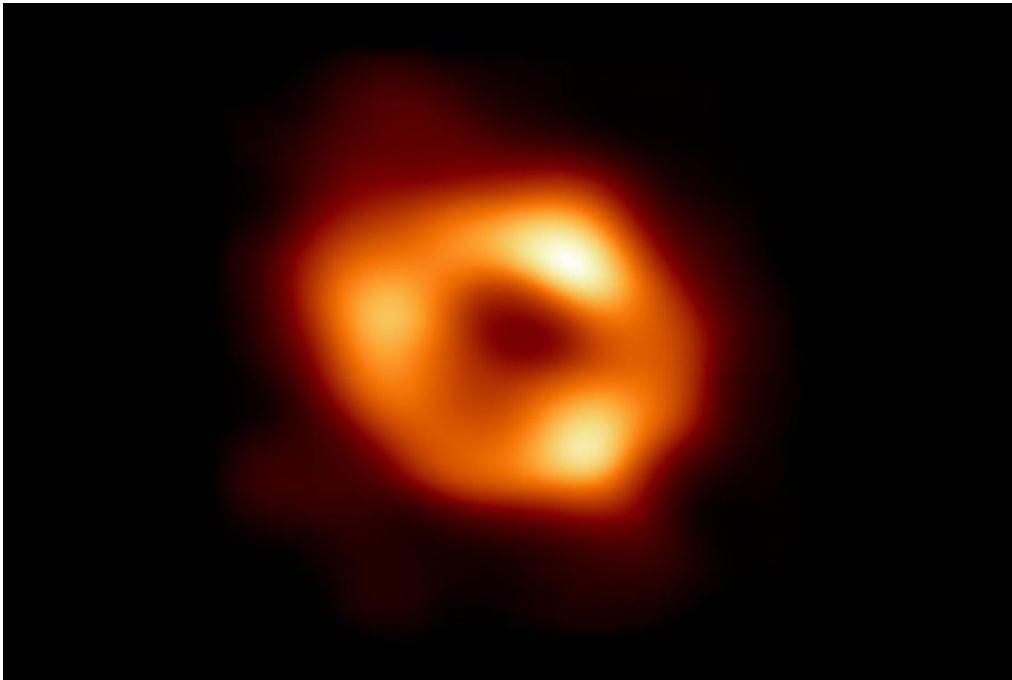
Big data

WIUT

Big data – bu odatda juda katta hajmdagi ma'lumotlar yoki/va juda murakkab shakldagi ma'lumotlar to'plami

Big data - misollar

WIUT

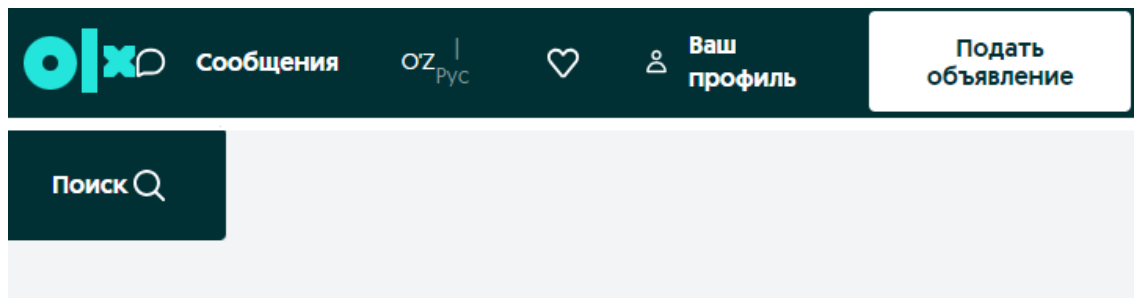


Taxminan 5 petabayt data

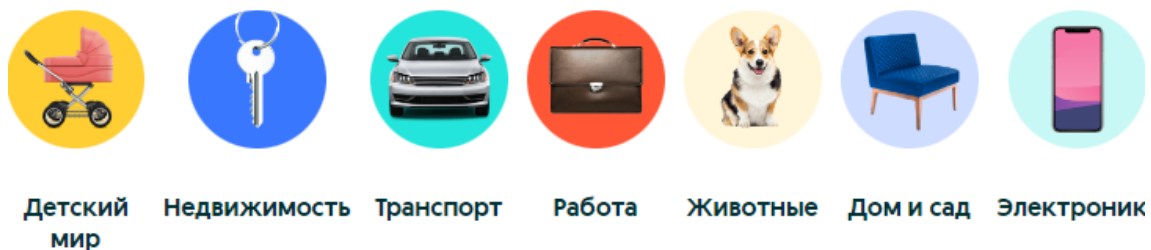
<https://news.mit.edu/2022/first-supermassive-black-hole-sagittarius-0512>

Big data - misollar

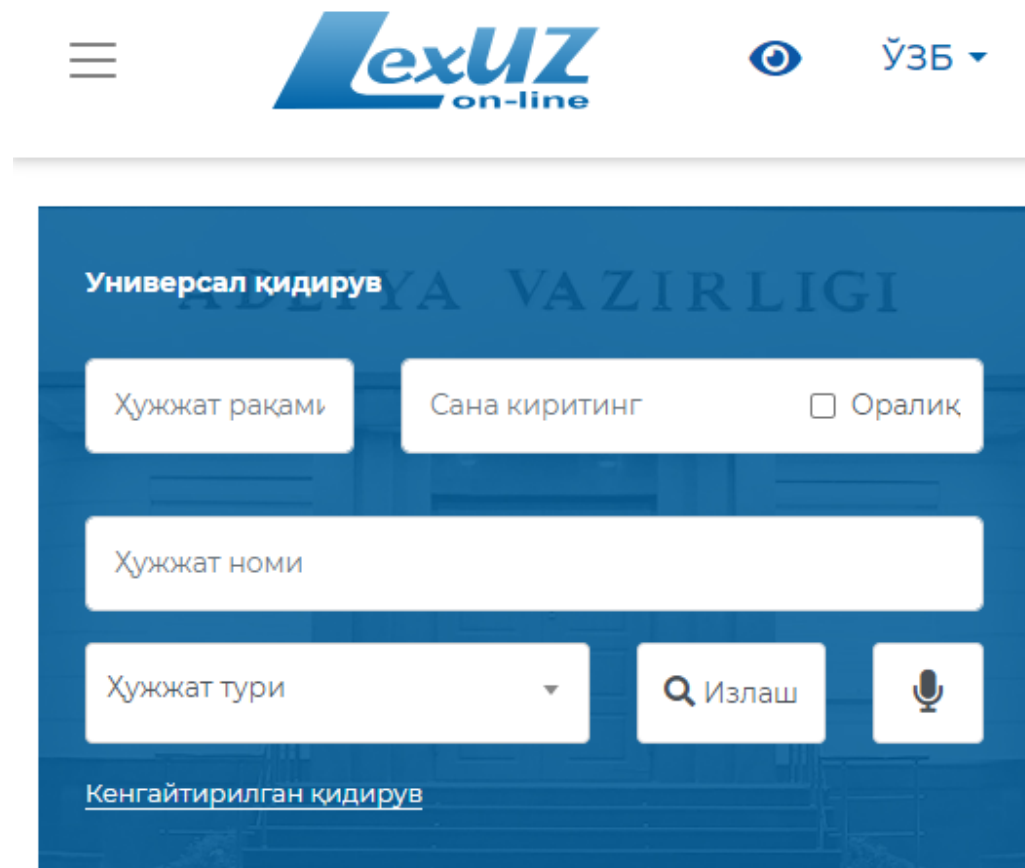
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Разделы на сервисе OLX



Детский мир Недвижимость Транспорт Работа Животные Дом и сад Электроник



ҚОНУНЧИЛИК СОҲАЛАРИ

Machine learning

Bu umumiy tushuncha o'z ichiga ma'lum bir turdagi masalalarni yechish uchun mo'ljallangan algoritmlar turlarini o'z ichiga oladi. Bu algoritmlar berilgan ma'lumotlar asosida o'rgatilladi va yangi ma'lumotlar orqali tanish yoki bashorat qilish uchun ishlatiladi.

Machine learning

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- Supervised learning
 - KNN
- Unsupervised learning
 - <https://www.geeksforgeeks.org/clustering-in-machine-learning/>
- Reinforcement learning
 - <https://keiwan.itch.io/evolution>
 - <https://www.youtube.com/watch?v=ZMQbHMgK2rw>
- Natural language processing
 - <https://www.perplexity.ai/>

Shaxs	Bo'yi(cm)	Vazni (kg)	Futbolka	Evklid masofasi
A	158	58	M	$\sqrt{(158 - 164)^2 + (58 - 61)^2} = 6.71$
B	165	60	M	$\sqrt{(165 - 164)^2 + (60 - 61)^2} = 1.41$
C	165	64	L	3.16
D	170	62	L	6.08
E	175	63	L	11.18

Tassavur eting ush bu jadval berilgan. Shu asosida yangi mijozga to'g'ri keladigan o'lcham topish kerak. Yangi mijoz – Aziza; uning bo'yi 164 sm va vazni 61 kg. $k = 3$ teng bo'lganda, eng yaqin 3 ta qo'shini topamiz: **B, C, D**

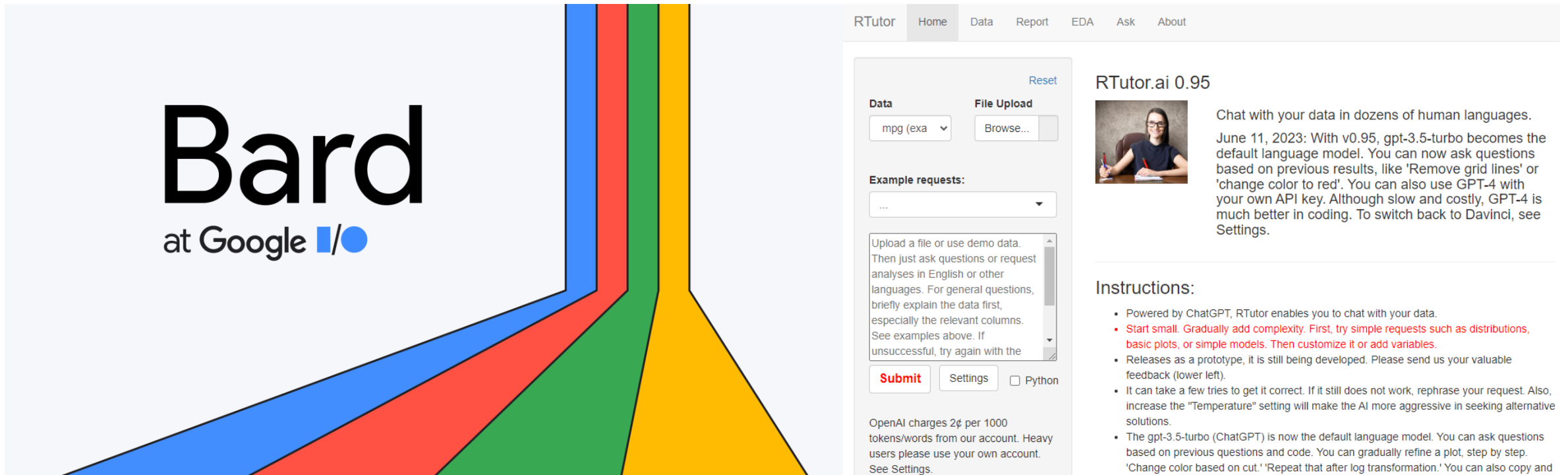
Shu asosida Azizani o'lchami M bo'ladi, chunki 2 ta yaqin qo'shni **L** bo'lgani uchun

Machine learning

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<https://raw.githubusercontent.com/deepanshu88/Datasets/master/UploadedFiles2/US%20Presidential%20Data.csv>



The image shows a composite graphic. On the left, the 'Bard at Google' logo is displayed in black text with a blue and red dot. To the right, a screenshot of the RTutor.ai website is shown. The website has a navigation bar with 'RTutor', 'Home', 'Data', 'Report', 'EDA', 'Ask', and 'About'. The main content area is divided into two columns. The left column contains a 'Data' section with a dropdown menu set to 'mpg (exa)', a 'File Upload' section with a 'Browse...' button, and an 'Example requests:' dropdown. Below these is a text area with instructions: 'Upload a file or use demo data. Then just ask questions or request analyses in English or other languages. For general questions, briefly explain the data first, especially the relevant columns. See examples above. If unsuccessful, try again with the'. At the bottom of this section are 'Submit', 'Settings', and a checkbox for 'Python'. A note at the bottom states: 'OpenAI charges 2¢ per 1000 tokens/words from our account. Heavy users please use your own account. See Settings.' The right column features a profile picture of a woman, the text 'RTutor.ai 0.95', and a paragraph: 'Chat with your data in dozens of human languages. June 11, 2023: With v0.95, gpt-3.5-turbo becomes the default language model. You can now ask questions based on previous results, like 'Remove grid lines' or 'change color to red'. You can also use GPT-4 with your own API key. Although slow and costly, GPT-4 is much better in coding. To switch back to Davinci, see Settings.' Below this is an 'Instructions:' section with a bulleted list of guidelines.



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3-qism Data visualisation

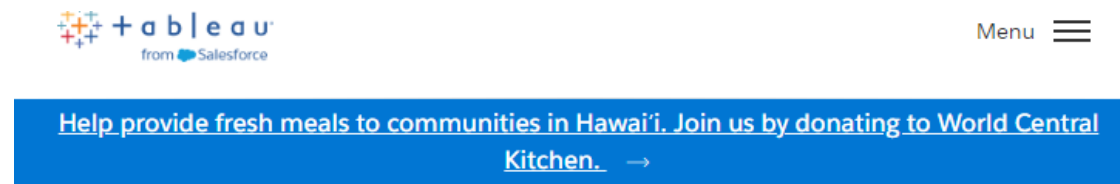
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Tableau

<https://public.tableau.com/app/discover/viz-of-the-day>

<https://www.tableau.com/data-insights/dashboard-showcase>



Say hello to
Tableau GPT
and Tableau
Pulse, the next
generation of
Tableau.



Visualisation in R

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<https://r-graph-gallery.com/ggplot2-package.html>