

CP Project

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Basic overview and “pain”



*Which variables are significant in predicting the price of a car.

*How well those variables describe the price of a car.

*Significant increase for car price in the Kazakhstan's market, may put people in difficult situation in terms of when and for what type of car there would be a decent price.

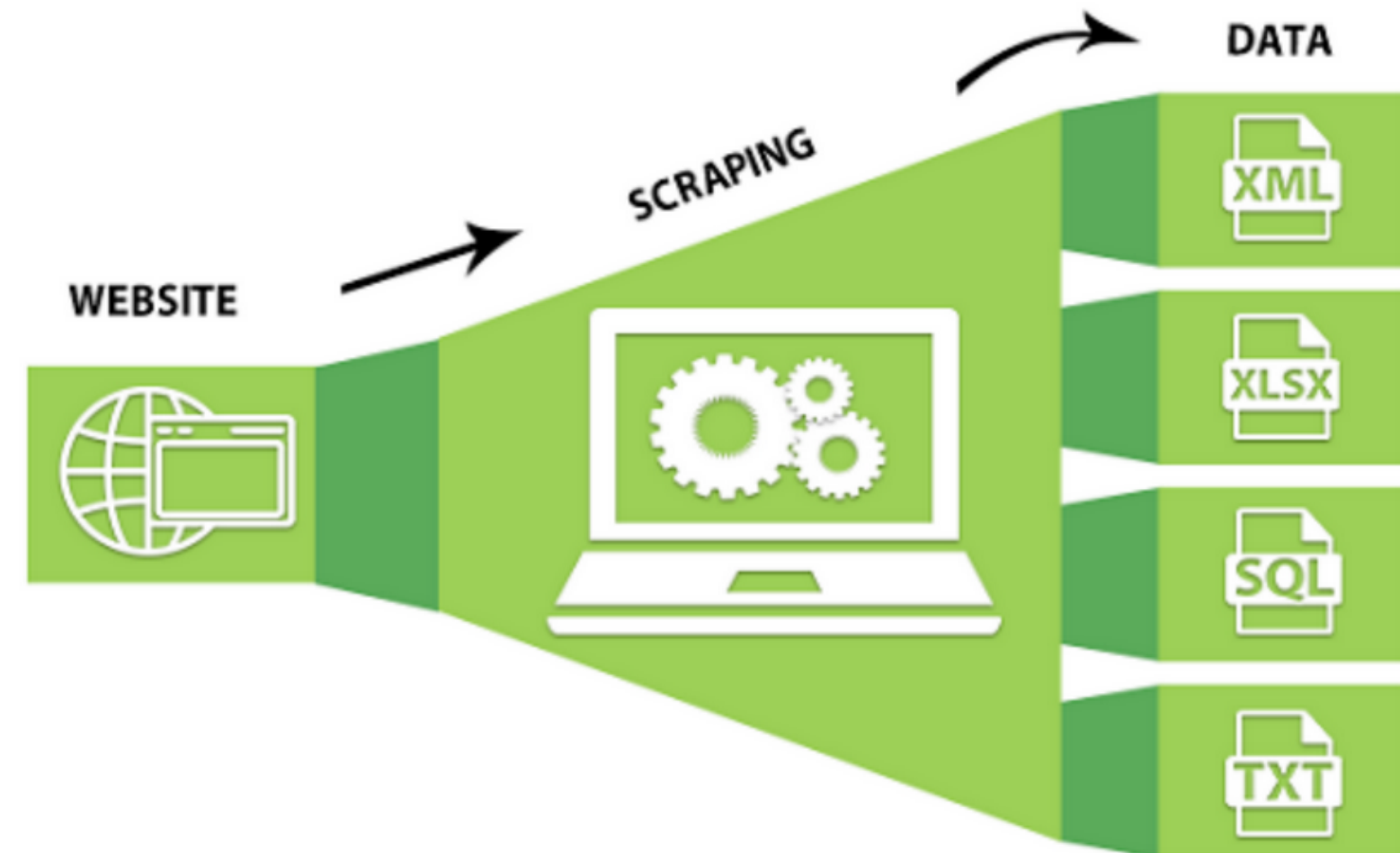
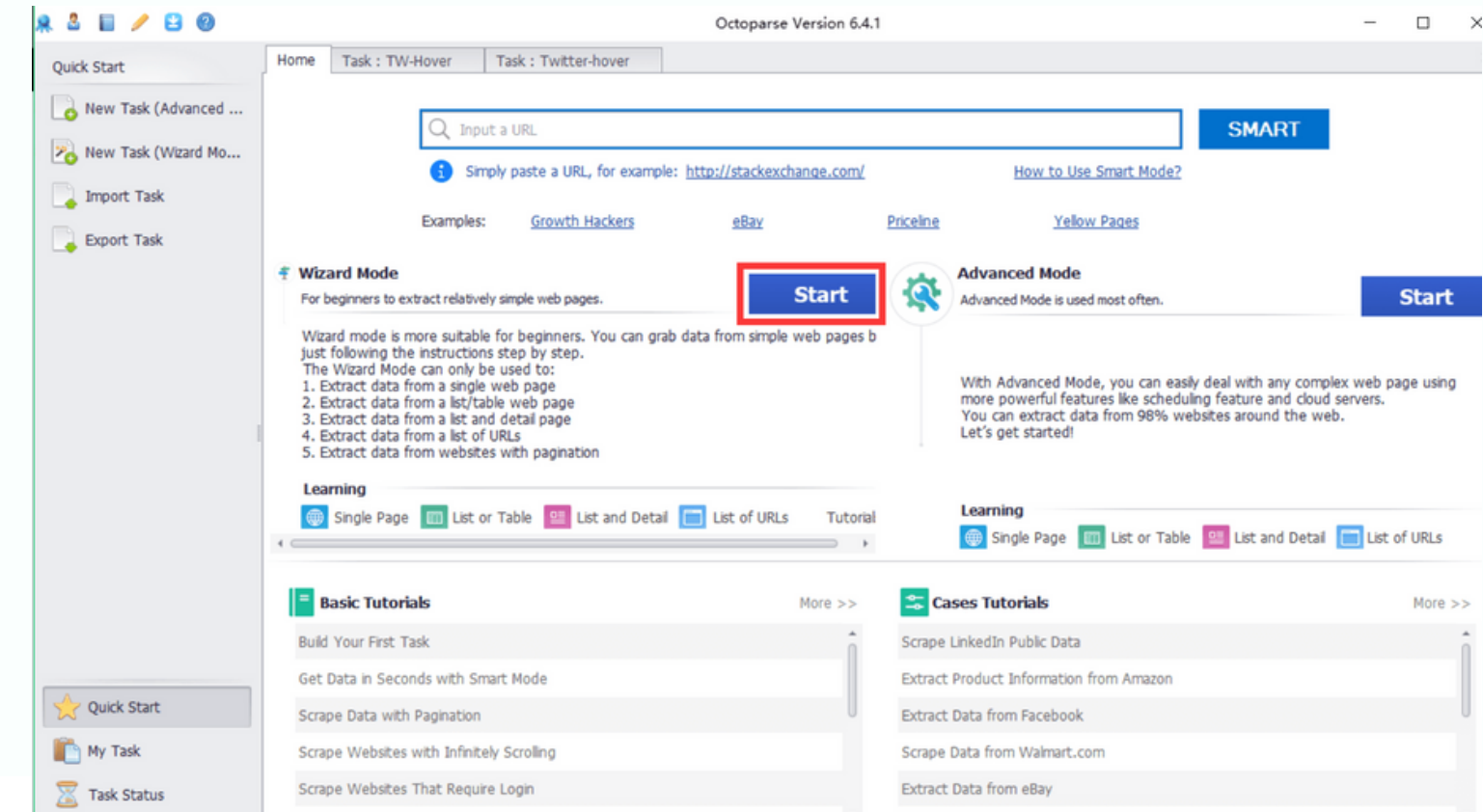
«Надежды уже нет». Цены на машины с пробегом рванули вверх (таблица)



Source for the dataset

- 1) SCRAPING
- 2) PARSING
- 3) WE ARE TEMPORARILY TRYING TO USE OCTOPARSE

KOLƏCA



What have been done before?

Our team in general use the following materials for the project because it provides, in our opinion, basic and broad guide for us.



Predicting Used Car Prices with Machine Learning Techniques

Comparing Performance of Five Different ML Models

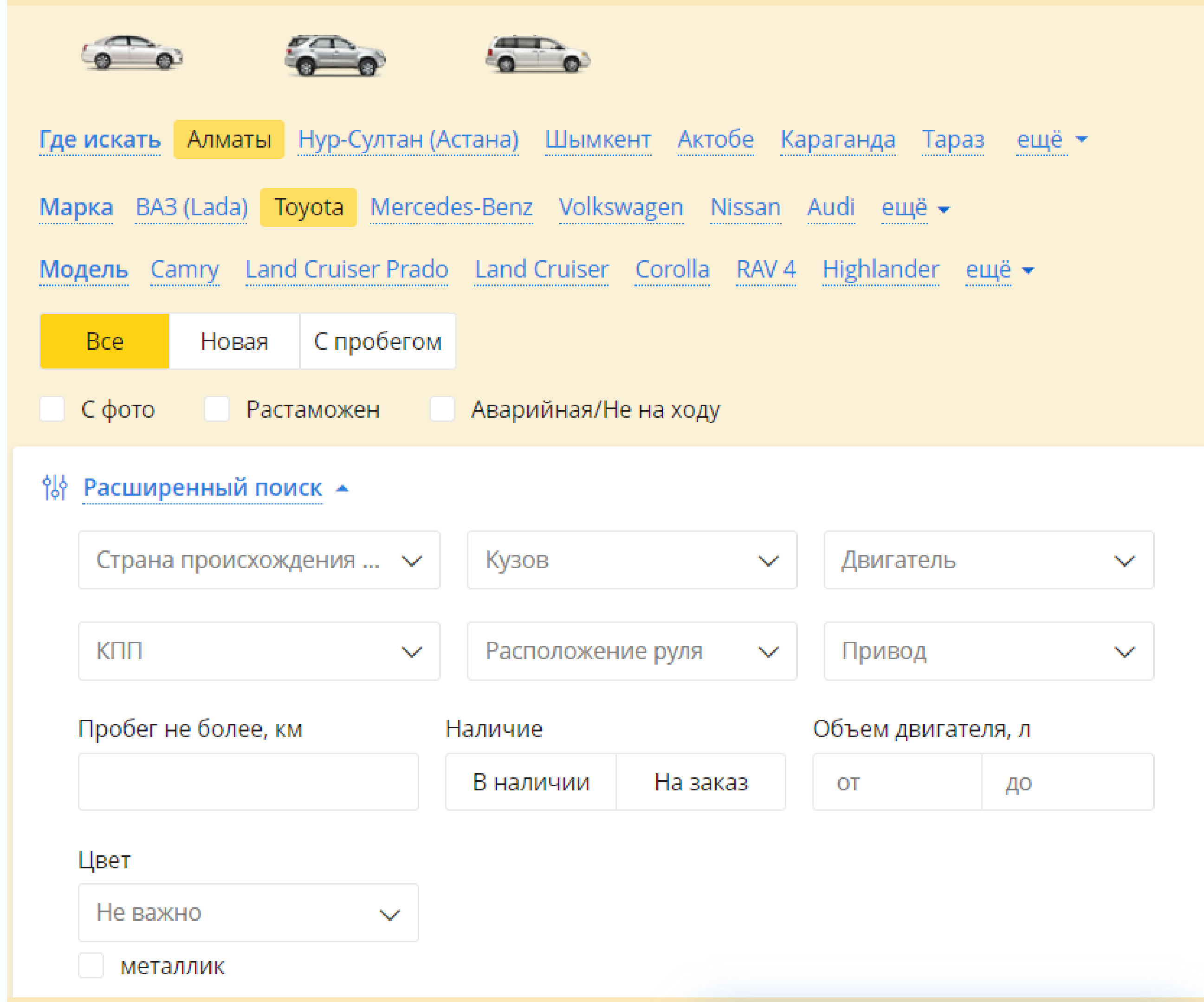
 Medium / Enes Gokce / Jan 10, 2020

Link to the source materials:

<https://towardsdatascience.com/predicting-used-car-prices-with-machine-learning-techniques-8a9d8313952>

Parameters, according to which we will attempt to do a prediction

- Fuel type
- Price
- Gearbox type
- Body type
- Mileage
- Color
- Engine size



The screenshot shows a car search interface with the following elements:

- Location filters:** Где искать (Where to search) with options: Алматы (Almaty), Нур-Султан (Астана) (Nur-Sultan (Astana)), Шымкент (Shymkent), Актобе (Aktobe), Караганда (Karaganda), Тараз (Taraz), and ещё (more).
- Brand filters:** Марка (Brand) with options: ВАЗ (Lada) (VAZ (Lada)), Toyota, Mercedes-Benz, Volkswagen, Nissan, Audi, and ещё (more).
- Model filters:** Модель (Model) with options: Camry, Land Cruiser Prado, Land Cruiser, Corolla, RAV 4, Highlander, and ещё (more).
- Condition filters:** Все (All), Новая (New), С пробегом (With mileage).
- Optional filters:** С фото (With photo), Растаможен (Customs cleared), Аварийная/Не на ходу (Accident/Not running).
- Advanced Search (Расширенный поиск):**
 - Страна происхождения ... (Country of origin ...)
 - Кузов (Body)
 - Двигатель (Engine)
 - КПП (Gearbox)
 - Расположение руля (Steering wheel position)
 - Привод (Drive)
 - Пробег не более, км (Mileage not more than, km)
 - Наличие (Availability) with options: В наличии (In stock), На заказ (On order).
 - Объем двигателя, л (Engine volume, l) with options: от (from), до (to).
 - Цвет (Color) with options: Не важно (Not important), and a checkbox for металлик (Metallic).



Algorithms



Random Forest
Linear Regression
Ridge Regression

Lasso
KNN
XGBoost

Thank you for your attention!

