

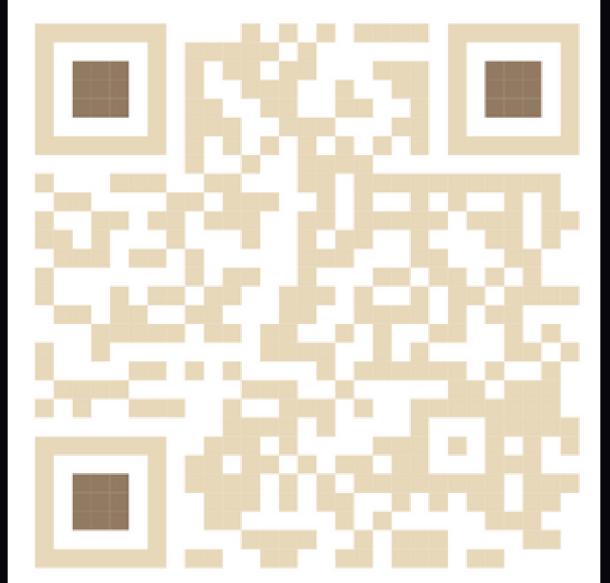


J*D
JAQUET DROZ
ART HORLOGER SUISSE DEPUIS 1738

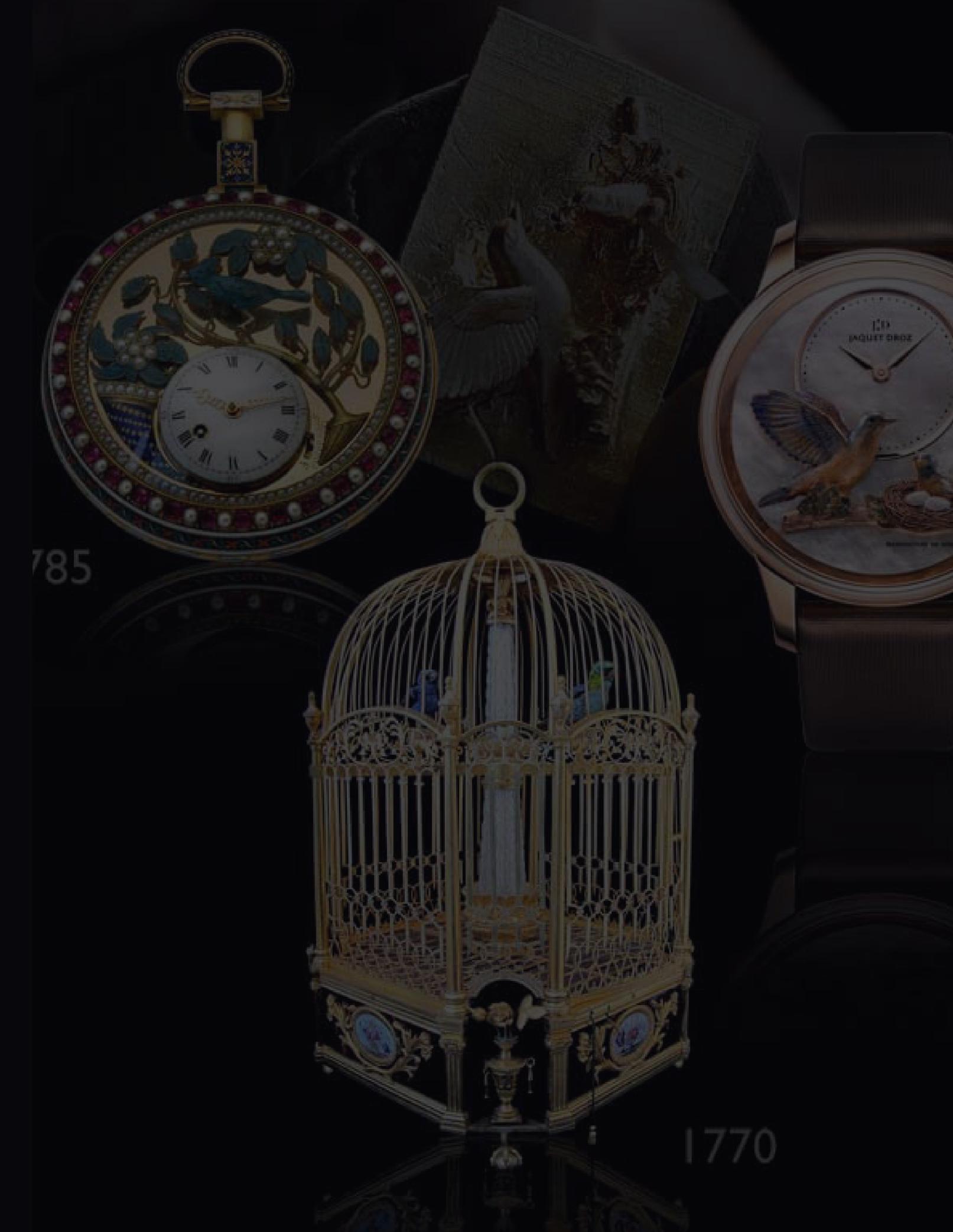
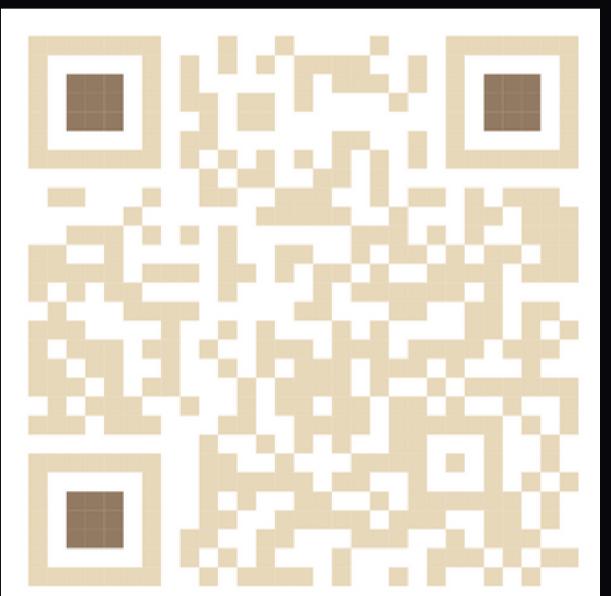
REAL CLIENT PROJECT

Team Members

Maha Alrooqi
Data Analyst



Hibah Sindi
ML Engineer





1785

1770

2011

History



A portrait painting of a man with powdered grey hair, wearing a dark green coat over a white cravat and a gold chain. He is looking slightly to his right.

Project Overview

The project focuses on extracting precise data about Jaquet Droz watches from their website to fulfill client requests. Utilizing Python and BeautifulSoup for web scraping, our goal is to provide comprehensive insights into Jaquet Droz's product range, ensuring accuracy and error-free data extraction to meet client expectations.

Business Requirements





DATA COLLECTION

Scraping Methodology



BeautifulSoup

- Powerful open-source library
- Parse HTML and XML documents
- Simplifies web scraping tasks



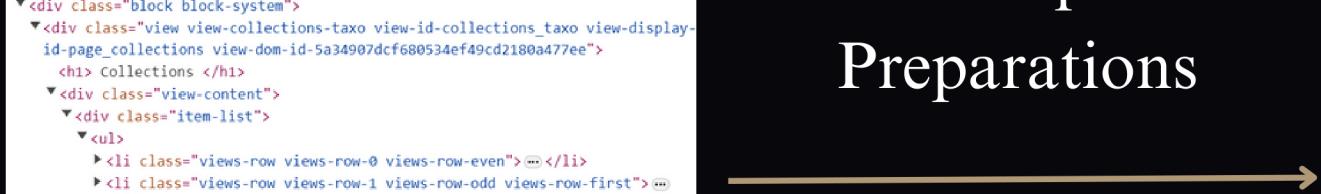
Transforming BR into Executable Code



Doc.Html

```
<div class="block block-system">
  <div class="view view-collections-taxo view-id-collections_taxo view-display-id-page_collections view-dom-id-5a34907dcf680534ef49cd2180a477ee">
    <h1> Collections </h1>
    <div class="view-content">
      <div class="item-list">
        <ul>
          <li class="views-row views-row-0 views-row-even">...</li>
          <li class="views-row views-row-1 views-row-odd views-row-first">...
            </li>
        <li class="views-row views-row-2 views-row-even">
          <div class="views-field views-field-nothing">
            <span class="field-content">
              <a href="https://www.jaquet-droz.com/en/watches/ateliers-d-art" title="ATELIERS D'ART" rel="ATELIERS D'ART">
                ATELIERS D'ART
              </a>
            </span>
          </div>
        </li>
      </ul>
    </div>
  </div>
```

Soup
Preparations



1
Finding Tag Names

2
Finding
Class Name

3
Getting Whole Text



4
Finding href

5
Extracting watch details
from the web page

6
Storing the details in
a dictionary

7
Updating the URL list to
handle different color variants

8
Extracting data for
all color variants

DATA ANALYSIS

Colored Watches



Missing Data



Duplicated Data



DATA CLEANING



When they asked you to clean the
data and you cleaned all of it.

WHISTLING MACHINE

X

REFERENCE J899.000.070

MOVEMENT JAQUET DROZ MASIF, hand-wound automaton movement, painted and animated bird

POWER RESERVE 2 minutes

CASE Black varnished base Sides in glass Dimensions 250 x 130 x 266 mm. Individual serial number engraved on the back of the plate

Filling Null with None



CONVERT INTO
CSV FILE



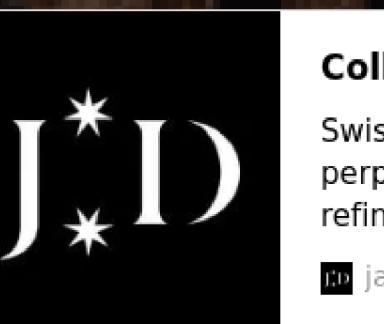
The Results We Have Achieved



Extracted Data

	A	B	C	D	E
1	reference_number	watch_URL	type	brand	year_introduced
2	J030033240	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	SW	
3	J013523242	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
4	J0135240021	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
5	J0135230011	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
6	J0135270221	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
7	J0135250101	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
8	J0135250061	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
9	J0135250071	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
10	J0135250081	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
11	J0135250011	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	
12	J0135250091	https://www.jaquet-droz.com/en/watches/g	Jaquet Droz	GRAND	

Jaquet Droze Website



Collections | Jaquet Droz

Swiss watchmaker since 1738, Jaquet Droz has perpetuated the spirit of innovation and an esthetic refinement of its founder, Pierre Jaquet Droz.

jaquet-droz.com

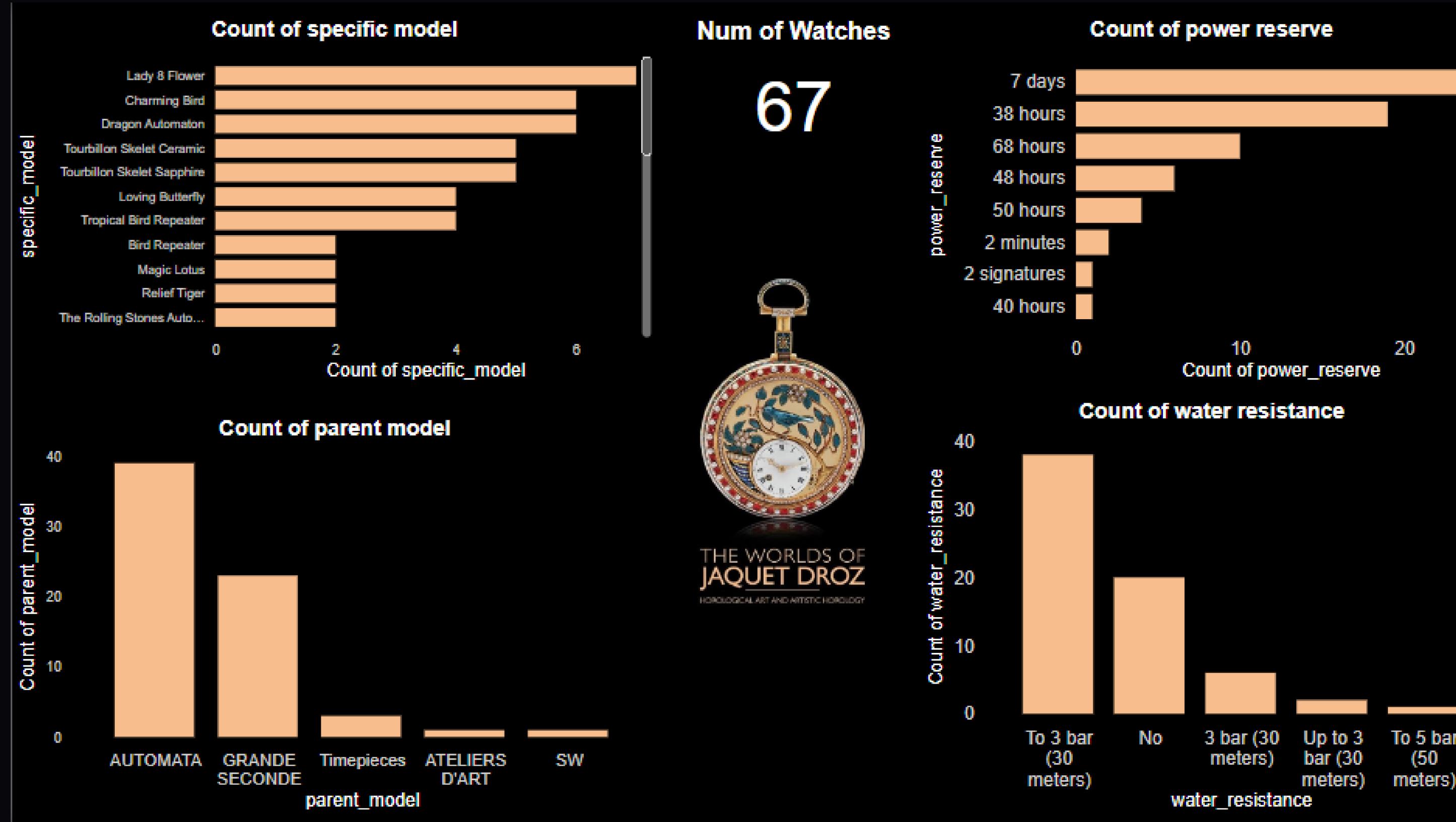
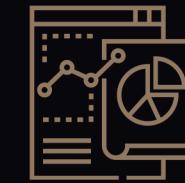
67 Unique Watches





DATA VISUALIZATION

Data Visualizations of the Extracted Data





CREATING THE REPORT

valuable insights

decision-making

Product Development

Marketing

business growth

Brand Monitoring





FUTURE PLAN



Apache
Airflow



Thank You

