

# Deploy your Data Project on the Web Using Only Python Taipy

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# The Problem

**Only 13% of Data  
Projects make it into  
Production**

While companies spent **271B\$** on Data  
Projects

*Sources: VentureBeat 2017, Why do 87% of data science projects never make it into production?  
Fortune Business Insights 2022, Big Data Analytics Market Size*

# The Causes

Only 23% of companies find the right **talent**.



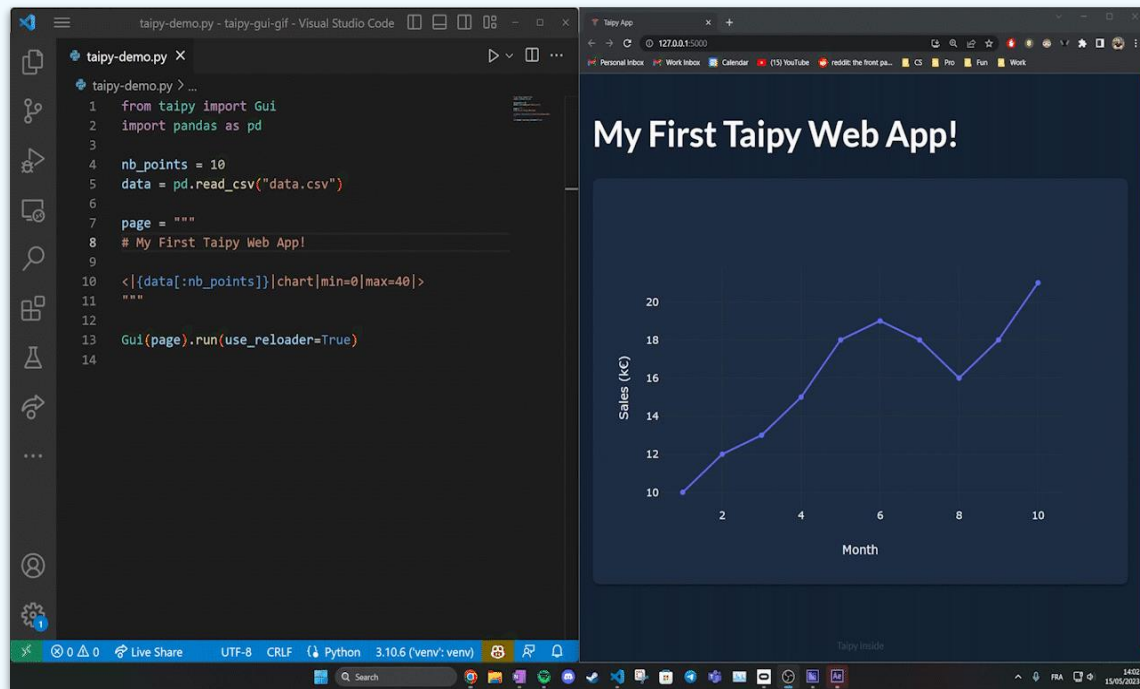
Source: IDC 2020 FutureScape: Worldwide Data and Analytics 2021 Predictions

# The Causes

**Almost 90% of data projects take too long, are too costly to develop and deploy.**

*Source: IDC 2020 FutureScape: Worldwide Data and Analytics 2021 Predictions*

# Taipy Front



**Taipy deploys your Data Analytics more easily**

**Talent:** Web Application coded in Python, no need to outsource front-end skills

**Time & Cost:**

- Reduces your required tech stack to Python only
- Deploy in a few lines of code
- User faster in the loop

# Taipy Back

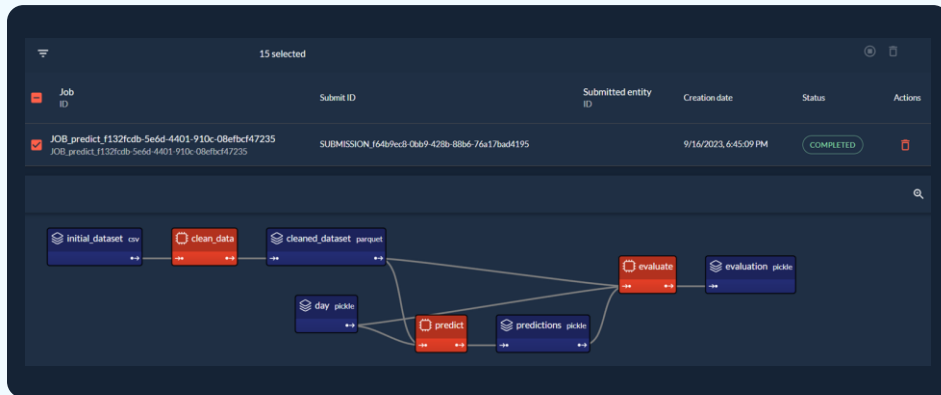
Taipy helps the end-user manage data pipelines

## Talent:

- Connects your data pipelines to the front-end easily
- Puts user in the loop early

## Time & Cost:

- Taipy saves and versions your pipeline's results
- Does not re-run what does not need to be
- Runs tasks in parallel, on distributed clusters
- Easy to plug common data sources



The screenshot shows the Taipy Back interface with a scenario configuration panel on the left and a table of jobs on the right. The scenario panel is titled 'Day of prediction' and includes a 'Properties' tab. It shows a list of scenarios, including 'scenario\_2021-01-25'. The 'Properties' tab for this scenario shows fields for 'Label' (day), 'Owner' (scenario\_2021-01-25), 'is\_generated' (True), and 'New Property Key' (Value). There are buttons for 'DELETE' and 'PROMOTE TO PRIMARY'. Below the scenario panel, a table lists jobs with columns: Job ID, Submit ID, Submitted entity ID, Creation date, Status, and Actions. One job is highlighted with a green 'COMPLETED' status.

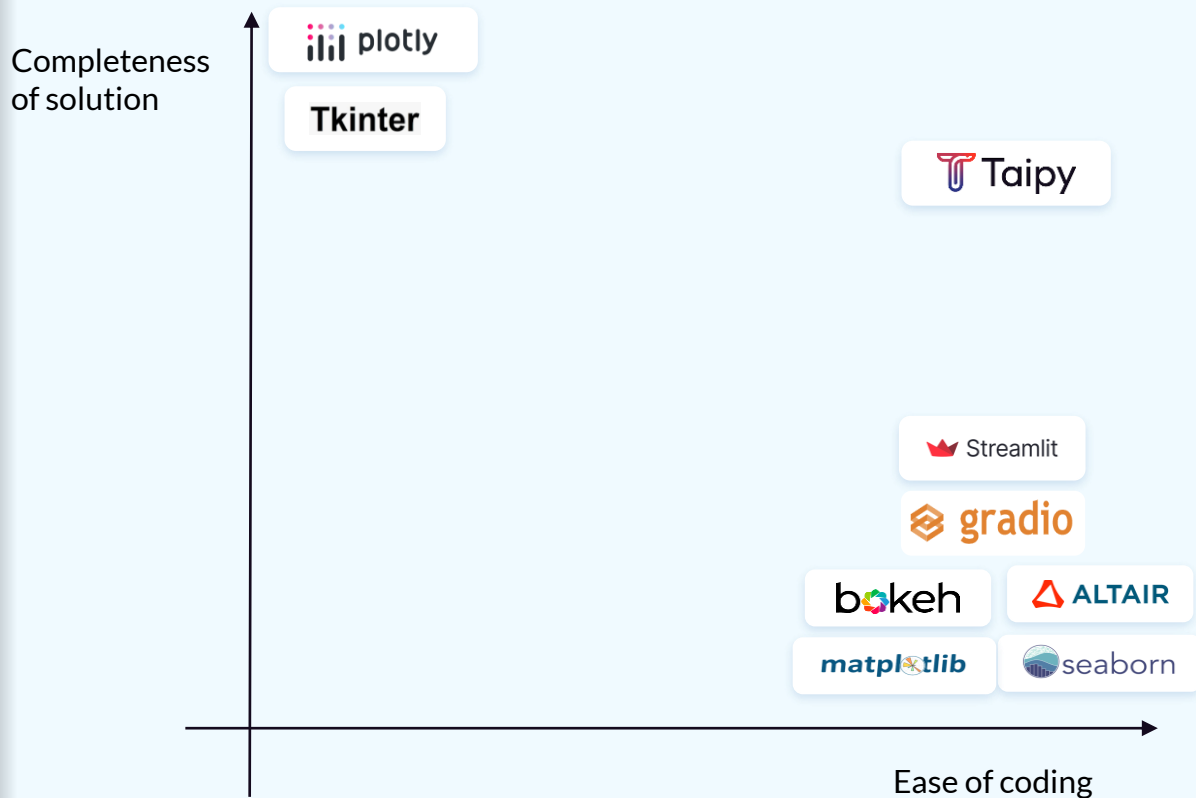
# Same Result

## Cost Reduction factor 10 !

| Project Example:<br>Intermarché's<br>Cash Flow Management | Budget | Number of IT<br>personnel | Project<br>Duration |
|---|--------|---------------------------|---------------------|
| Initial Option  | 600K\$ | 4                         | 8 Months            |
| Intermarché's IT Div<br>using Taipy                       | 60K\$  | 2                         | 2 Months            |

# Positioning

## Python Graphical Packages





# Thank **you**

And contribute to  
our Git repo !



<https://github.com/Avaiga/taipy>