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Model Deployment

model = LogisticRegression().
fit — ✓

Client

$\hat{y} \leftarrow \text{model}.predict(\underline{x_1 \underline{x_2} \underline{x_3}})$
 $\rightarrow (\text{Binary executable})$
① $\rightarrow \text{clf.pkl}$

Binary

Code to
Create interface

Graphical Interface → Streamlit
Flask
Django

②

| | | |
|-------|---------------------------------------|---|
| x_1 | <input type="text" value="20"/> | ✓ |
| x_2 | <input checked="" type="radio"/> Male | |
| | <input type="radio"/> Female | |
| x_3 | <input type="text"/> | |

$(x_1 \ x_2 \ x_3) \rightarrow \text{model}.predict()$

model $\leftarrow \text{load}(\text{clf.pkl})$

1. C:/users/username/deploy

↳ { logreg.ipynb → run this ✓
Claimants.csv ✓ → clf.pkl ✓
clf.pkl ✓
app.py ✓

2. open a text file ↴

10:35 → try -

— Save as app.py → in the deploy folder -
— add Streamlit code ✓

(10:35 - 10:45 → break

→ open anaconda prompt - from search bar -

> cd .. deploy

· wnm/deploy → (dir) → .
-] -
-] -
-] -

> pip install Streamlit → one time activity ✓

> Streamlit run app.py → http://localhost ... ↵ click on wnl

