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Batch code: LISUM19

Submission date: 4/4/2022

Submitted to data glacier

Website: https://svalentinow-streamlit-titanic-model-app-jh5mff.streamlit.app/

1 2 1 1 Cumings, Mrs. John Bradley (Florence Briggs Th female 38.0 1 0 PC 17599 71.2833 C85 C 2 3 1 3 Heikkinen, Miss. Laina female 26.0 0 0 STON/O2. 3101282 7.9250 NaN S 3 4 1 1 Futrelle, Mrs. Jacques Heath (Lily May Peel) female 35.0 1 0 113803 53.1000 C123 S	L	Loading data												
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	2				Heikkinen, Miss. Laina	female	26.0			STON/O2. 3101282	7.9250	NaN		
4 5 0 3 Allen, Mr. William Henry male 35.0 0 0 373450 8.0500 NaN S	3				Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0			113803	53.1000	C123		
	4				Allen, Mr. William Henry	male	35.0			373450	8.0500	NaN		

```
| Selecting x and y features | Selecting x an
```

```
training model and saving it it

]: model = DecisionTreeClassifier(max_depth=1)
    model.fit(X_train,y_train)
    pickle.dump(model, open('model.pkl','wb'))
```

```
home.py M
             result.py

≡ requirements.txt M

                                              🅏 арр.ру
app.py > ...
     import streamlit as st
     from streamlit_option_menu import option_menu
     from pages.home import homes
     from streamlit_extras.switch_page_button import switch_page
     st.set_page_config(initial_sidebar_state="collapsed")
     menu_icon="cast",
                         default_index=0,
                         orientation="horizontal",
                         styles={
         "container": {"padding": "1!important", "background-color": "#fafafa"}, })
     if selected == "Predict":
        homes()
```

```
roomety w X venuctry = requirements.tt w V apply

ges > \( \) home.py \( \) \( \) homes

1 def homes():

2 import streamlit as st import numpy as np

4 from streamlit_option_menu import option_menu

5 from streamlit_extras.switch_page_button import switch_page

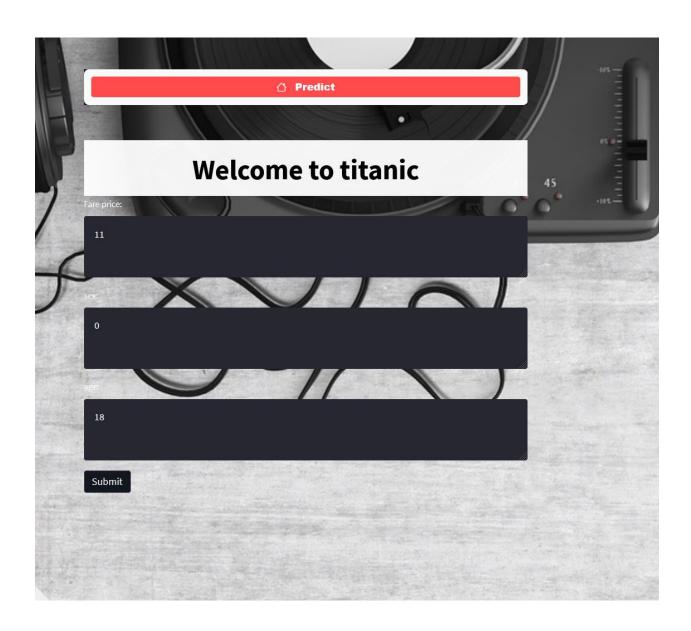
import nickle
             import pickle
from sklearn import tree
from sklearn.tree import pecisionTreeClassifier
def set_bg_hack_url():
                         }}
</style>
""",
unsafe_allow_html=True
            }} </style>
""",
unsafe_allow_html=True
             set_bg_hack_url()
set_prompt_input_color()
set_prompt_input_color()
st.markdom()
"chi style='text-align: center; color: black; background-color: white; opacity: .95'> Welcome to titanic </1>", unsafe_allow_html=True)
            # save variables in the current session
if "survived" not in st.session_state:
st.session_state("survived"] = ""
model = pickle.load(open("model.pickl', 'rb'))
if(st.button("submit')):
list = [txtl,txtz,txt3]
l = [int(x) for x in list]
f = [np.array(l)]
survived = model.predict(f)
outnut = "wes"
                  if survived = mouler.predict(f)
output = "yes"

if survived == 0:
    output = "no"

st.session_state["survived"] = output
                   switch_page("result")
```

```
pages > ♦ result.py > ...

1 import streamlit as st
    from pages.home import homes
from streamlit_option_menu import option_menu
from streamlit_extras.switch_page_button import switch_page
st.set_page_config(initial_sidebar_state="collapsed")
    styles={
"container": {"padding": "!!important", "background-color": "#fafafa"}, })
     def set_bg_hack_url():
         A function to unpack an image from url and set as \ensuremath{\mathsf{bg.}} Returns
         st.markdown(
           unsafe_allow_html=True
     set_bg_hack_url()
set_prompt_input_color()
    st.write("Did they survive?: ", st.session_state['survived'])
st.write(" ")
    if selected == "Predict":
    switch_page("app")
```



♠ Result

Did they survive?: no