



Star

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*Dash Python > A Minimal Dash App*

Introducing Plotly Cloud — The easiest way to publish your Dash apps. [Learn more.](#)

A Minimal Dash App

A minimal Dash app will typically look like this:

```
from dash import Dash, html, dcc, callback, Output, Input
import plotly.express as px
import pandas as pd

df = pd.read_csv('https://raw.githubusercontent.com/plotly/datasets,

app = Dash()

# Requires Dash 2.17.0 or later
app.layout = [
    html.H1(children='Title of Dash App', style={'textAlign':'cente:
    dcc.Dropdown(df.country.unique(), 'Canada', id='dropdown-select:
    dcc.Graph(id='graph-content')
]

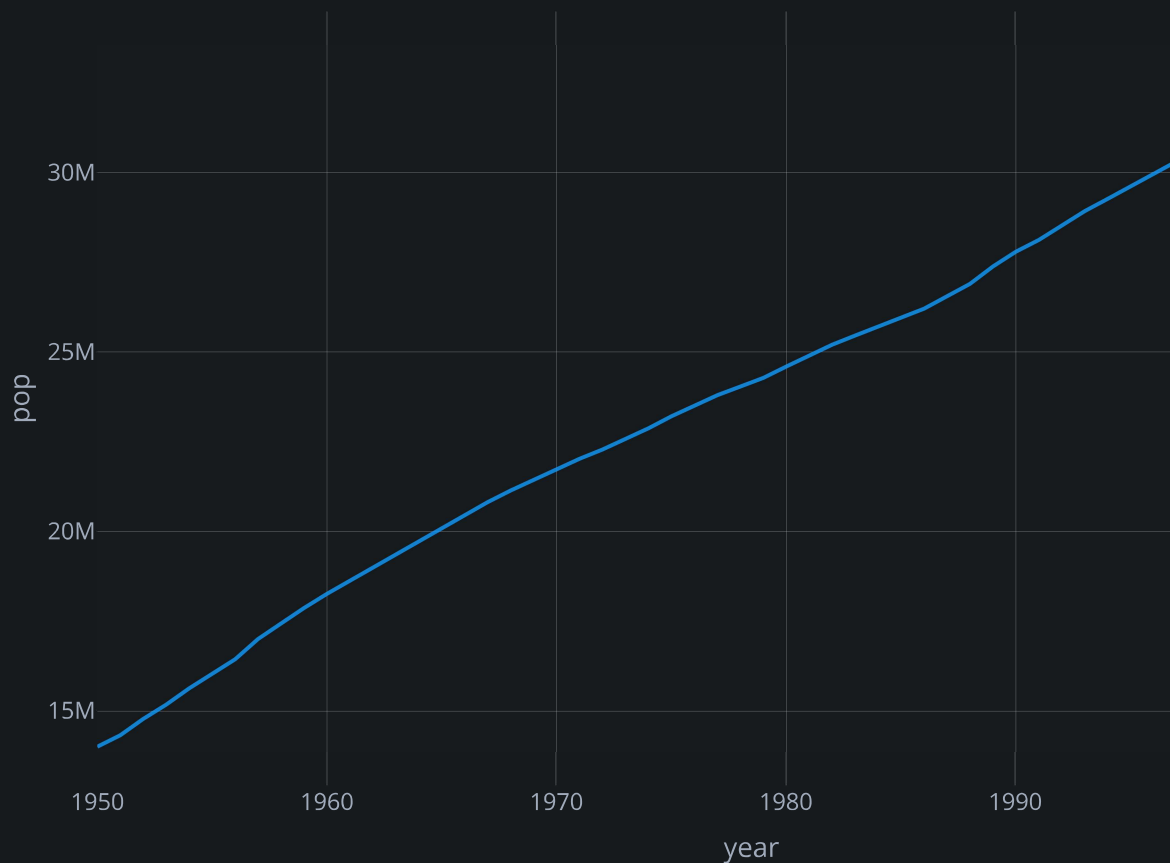
@callback(
    Output('graph-content', 'figure'),
    Input('dropdown-selection', 'value')
)
def update_graph(value):
    dff = df[df.country==value]
    return px.line(dff, x='year', y='pop')
```

```
if __name__ == '__main__':  
    app.run(debug=True)
```

Title of Dash App

Canada

× ▼



To run the app, copy the above code into a new file named `app.py` and type into your terminal the command `python app.py`. Then, go to the http link.

Dash is running on <http://127.0.0.1:8050/>

* Serving Flask app 'app' (lazy loading)

* Environment: production

WARNING: This is a development server. Do not use it in a production
Use a production WSGI server instead.

```
* Debug mode: on
* Running on http://127.0.0.1:8050 (Press CTRL+C to quit)
```

Alternatively, you can run the app in a **Jupyter Notebook** cell.

Did you know? You can publish Dash apps to **Plotly Cloud** for free!

The next section will cover the main elements of a Dash app: **Dash in 20 minutes tutorial**.

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