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# Import required packages
import pandas as pd
import plotly.express as px
import dash
import dash html components as html
import dash core components as dcc
# Read the airline data into pandas dataframe
airline data = pd.read csv('https://cf-courses-data.s3.us.cloud-object-
storage.appdomain.cloud/IBMDeveloperSkillsNetwork-DV0101EN-
SkillsNetwork/Data%20Files/airline data.csv',
                           encoding = "ISO-8859-1",
                           # Randomly sample 500 data points. Setting the random state to be 42 so that we get same result.
data = airline data.sample(n=500, random state=42)
# Pie Chart Creation
fig = px.pie(data, values='Flights', names='DistanceGroup', title='Distance group proportion by
flights')
# Create a dash application
app = dash.Dash( name )
# Get the layout of the application and adjust it.
# Create an outer division using html.Div and add title to the dashboard using html.H1 component
# Add description about the graph using HTML P (paragraph) component
# Finally, add graph component.
app.layout = html.Div(children=[html.H1('Airline Dashboard', style={'textAlign': 'center', 'color':
'#503D36', 'font-size': 40}),
                               html.P('Proportion of distance group (250 mile distance interval
group) by flights.', style={'textAlign':'center', 'color': '#F57241'}),
                               dcc.Graph(figure=fig),
                   1)
# Run the application
if name == ' main ':
   app.run_server()
```