1. Project Setup

1. Create a new folder on your computer named "ik-dashboard"
2. Save your current dashboard code as app.py in this folder
3. Create a new file named requirements.txt in the same folder
4. Add these lines to requirements.txt:

text

streamlit

pandas

plotly

openpyxl

2. Data Handling

1. Create a new folder named "data" in your project folder
2. Copy your Excel file into this folder
3. Update the file path in your code to use a relative path:

python

df = pd.read\_excel("data/IK\_Konj+Destatis\_HWWI.xlsx")

3. GitHub Setup

1. Go to github.com and create an account
2. Download and install Git from git-scm.com
3. Open Command Prompt/Terminal
4. Navigate to your project folder:

bash

cd path/to/ik-dashboard

1. Initialize Git repository:

bash

git init

1. Create .gitignore file and add:

text

\*.xlsx

\_\_pycache\_\_/

.env

1. Add your files:

bash

git add app.py requirements.txt .gitignore

1. Commit your files:

bash

git commit -m "Initial commit"

4. GitHub Repository Creation

1. Go to github.com
2. Click "+" in top right corner
3. Select "New repository"
4. Name it "ik-dashboard"
5. Keep it private
6. Click "Create repository"
7. Follow the instructions to push your code:

bash

git remote add origin [your-repository-URL]

git branch -M main

git push -u origin main

5. Streamlit Cloud Deployment

1. Go to share.streamlit.io
2. Sign in with your GitHub account
3. Click "New app"
4. Select your repository "ik-dashboard"
5. Select main branch
6. Select app.py as the main file
7. Click "Deploy"

6. Data Security

1. Consider moving sensitive data to a secure database
2. Update your code to use environment variables for sensitive information
3. Test the app thoroughly before sharing

7. Sharing

1. Get the public URL from Streamlit Cloud
2. Test the dashboard thoroughly
3. Share the URL with your colleagues

8. Maintenance

1. Keep your local repository updated
2. Make changes locally and test
3. Push updates to GitHub:

bash

git add .

git commit -m "Update description"

git push

1. Streamlit Cloud will automatically update your app

The dashboard will remain accessible 24/7 and update automatically when you push changes to GitHub.

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