

Streamlit Cheat Sheet

1. Basic Page Setup

```
st.title("Title")
st.header("Header")
st.subheader("Subheader")
st.text("Plain text")
st.markdown("***Markdown** _formatting_")
st.code("print('Hello World')", language='python')
st.latex(r"\alpha^2 + \beta^2 = \gamma^2")
```

2. Widgets (User Input)

```
st.text_input("Label")
st.text_area("Label")
st.number_input("Label")
st.date_input("Label")
st.time_input("Label")
st.checkbox("Check me")
st.radio("Choose", options)
st.selectbox("Pick one", options)
st.multiselect("Pick multiple", options)
st.slider("Pick a number", 0, 100)
st.file_uploader("Upload file")
st.camera_input("Take a picture")
st.button("Click me")
```

3. Display Data

```
st.dataframe(df)
st.table(df)
st.json({"name": "Streamlit", "type": "Awesome"})
```

4. Charts and Visualizations

```
st.line_chart(data)
st.area_chart(data)
```

Streamlit Cheat Sheet

```
st.bar_chart(data)
st.pyplot(), st.altair_chart(), st.plotly_chart(), st.bokeh_chart()
st.map()
```

5. Layout and Containers

```
st.sidebar.title("Sidebar")
with st.expander("Click to expand"):
    st.write("Hidden content")
col1, col2 = st.columns(2)
col1.write("Left column")
col2.write("Right column")
st.container()
```

6. State Handling

```
if "key" not in st.session_state:
    st.session_state["key"] = "default value"
st.session_state.key = "new value"
```

7. Utilities

```
st.help(some_function)
st.spinner("Loading...")
st.success("Done!")
st.error("Something went wrong")
st.warning("Be careful")
st.info("FYI")
st.exception(Exception("An error!"))
```

8. Running and Sharing

```
streamlit run your_script.py
```