

Gradio Lab

Aim

Build a minimal, sharable web UI to expose a model for interactive inference.

Theory

Gradio wraps Python functions as UI apps with components and event-driven callbacks.

Algorithm

1. Load model.
2. Write inference wrapper.
3. Create UI components.
4. Bind UI -> function.
5. Launch app.

Pseudocode

```
load_model()
```

```
def infer(inp):
```

```
    return model(inp)
```

```
ui = gr.Interface(infer)
```

```
ui.launch()
```

Results

Working UI with real-time inference.

Conclusion

Gradio makes model demos fast and simple.