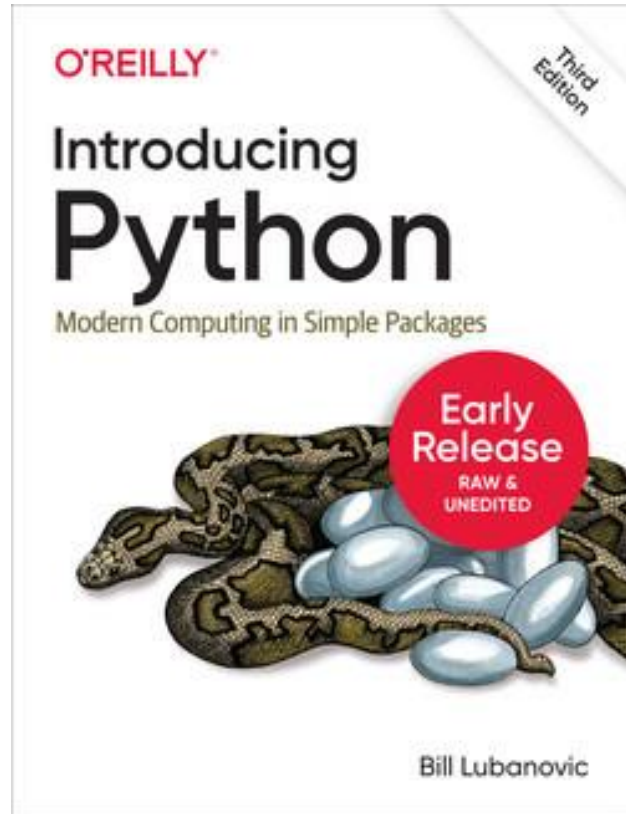
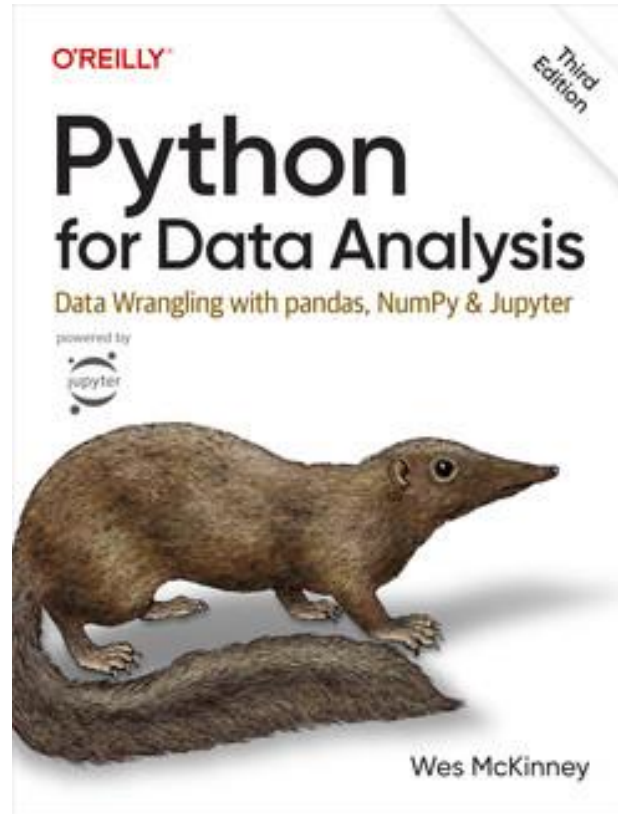


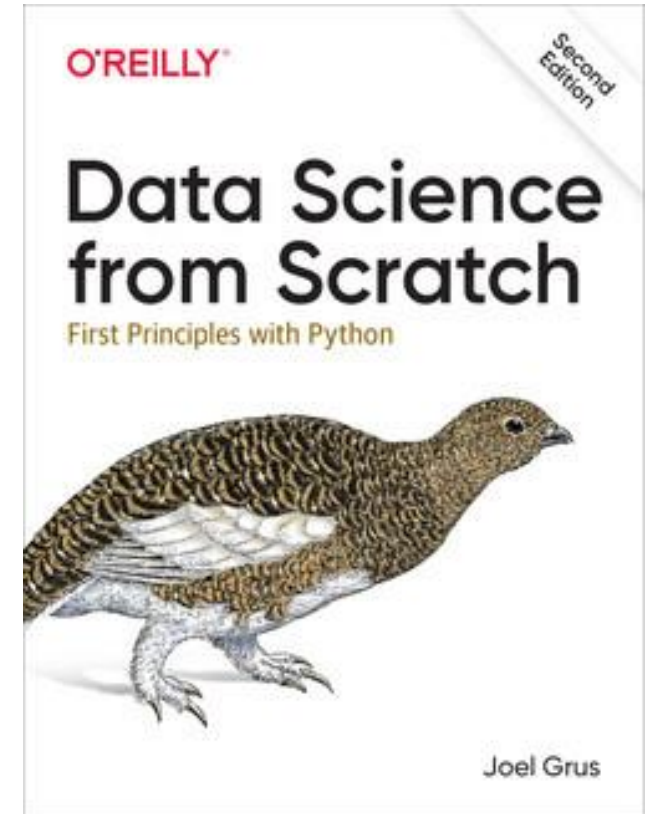
## 파이썬 프로그래밍



## Numpy, Pandas



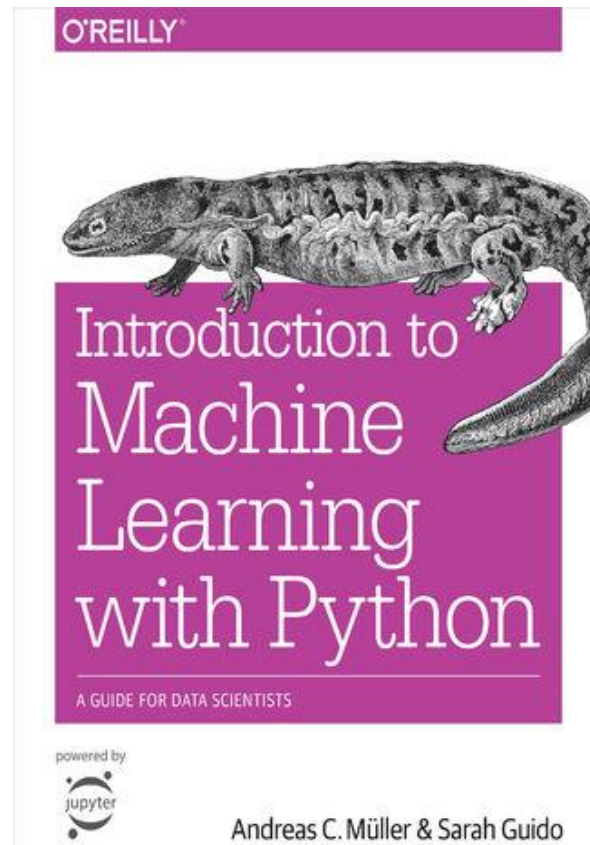
## Machine Learning



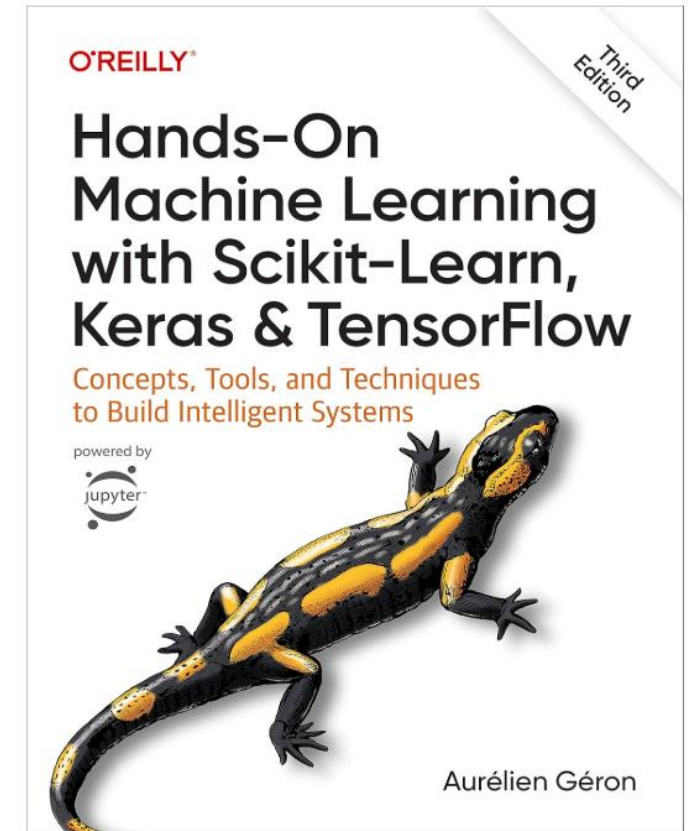
## Pandas, Machine Learning



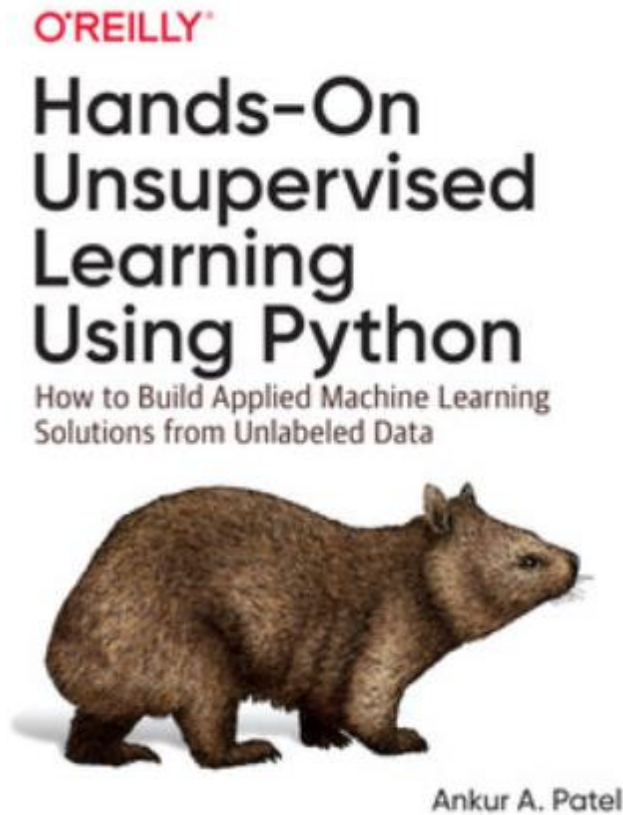
## Machine Learning



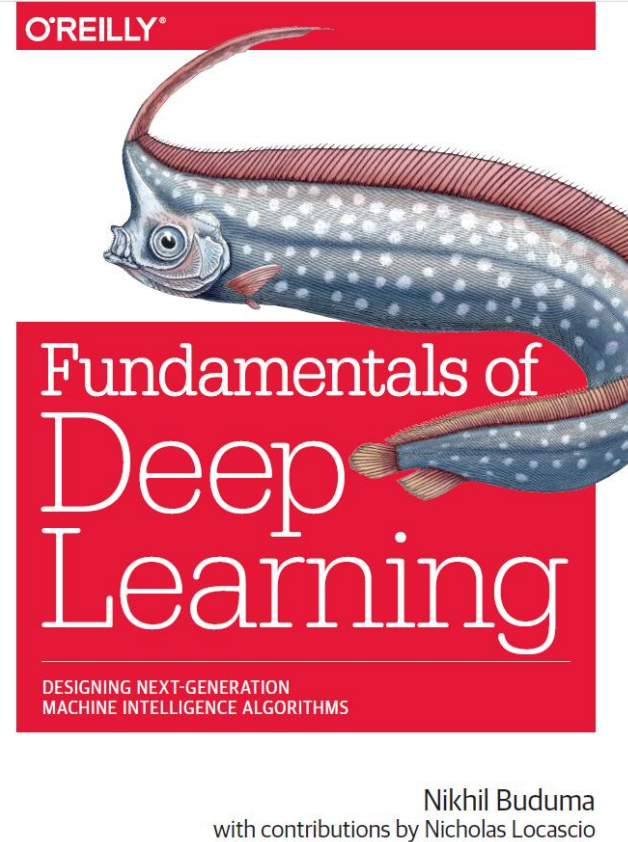
## Machine Learning, Keras



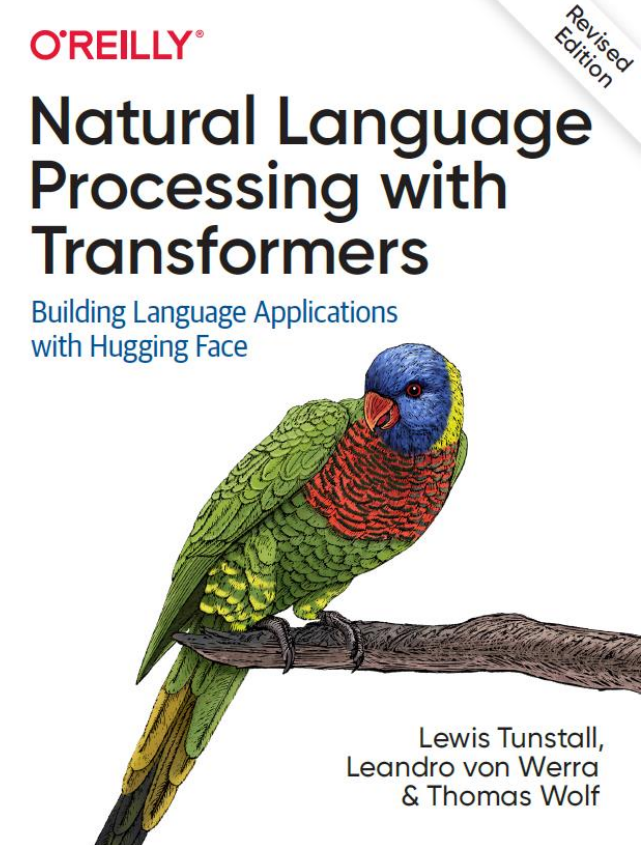
## Unsupervised Learning



## Deep Learning, pytorch



## LLM, Transformer



# Langchain Tutorial

검색어를 입력하세요.



<랭체인LangChain 노트> - LangChain 한국

CH01 LangChain 시작하기

- 01. 설치 영상보고 따라하기
- 02. OpenAI API 키 발급 및 테스트
- 03. LangSmith 추적 설정
- 04. OpenAI API 사용(GPT-4o 멀티모달)
- 05. LangChain Expression Language(LCEL)
- 06. LCEL 인터페이스
- 07. Runnable

CH02 프롬프트(Prompt)

- 01. 프롬프트(Prompt)
- 02. 퓨샷 프롬프트(FewShotPromptTemplat
- 03. LangChain Hub

<랭체인LangChain 노트> - Lang...

위키독스

## <랭체인LangChain 노트> - LangChain 한국어 튜토리얼KR



지은이 : 테디노트  
최종 편집일시 : 2024년 12월 1일 10:25 오후  
저작권 :   
2,266 명이 추천

추천은 공유할 수 있는 무료 전자책을 집필하는데 정말 큰 힘이 됩니다. "추천" 한 번씩만 부탁 드리겠습니다 🙏🙏

✅ 랭체인 한국어 튜토리얼 강의  
패스트캠퍼스 - RAG 비법노트

✅ 랭체인 한국어 튜토리얼 코드저장소(GitHub)   
<https://github.com/teddylee777/langchain-kr>

✅ 유튜브 "테디노트"   
<https://www.youtube.com/c/@teddynote>

✅ 데이터 분석 블로그 <https://teddylee777.github.io>



Integrations API Reference More ▾

v0.3 ▾ Search

Introduction

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How-to guides

Conceptual guide

Ecosystem

- LangSmith
- LangGraph

Versions

- v0.3
- v0.2 >
- Pydantic compatibility
- Migrating from v0.0 chains
- Upgrading to LangGraph memory
- Release policy

### The pipe operator: |

To show off how this works, let's go through an example. We'll walk through a common pattern in LangChain: using a **prompt template** to format input into a **chat model**, and finally converting the chat message output into a string with an **output parser**.

OpenAI Anthropic Azure Google AWS Cohere NVIDIA FireworksAI **Groq** MistralAI

```
pip install -qU langchain-groq
```

```
import getpass
import os

os.environ["GROQ_API_KEY"] = getpass.getpass()


from langchain_groq import ChatGroq

model = ChatGroq(model="llama3-8b-8192")
```

The pipe operator: |  
Coercion  
The `.pipe()` method  
Related



# Hugging Face/chat

 **Hugging Face**

Models

Datasets


Spaces

Posts

Docs

Enterprise

Pricing



+ New

ancestor9

Profile

Inbox (0)

Settings

Billing

Get *Pro*

Organizations

Create New

Resources

Hub guide

Transformers doc

Forum

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All Models Datasets Spaces Papers Collections Community Posts

Upvotes Likes

NEW

Use models from the HF Hub in LM Studio

< > x

NEW

Follow your favorite AI creators

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genmo

Pioneering in AI video generation technology

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Etched

Integrating generative AI with gaming experiences

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Qwen

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All Models Datasets Spaces

tencent/HunyuanVideo

Text-to-Video • Updated 2 days ago • 2.05k • 787

meta-llama/Llama-3.3-70B-Instruct

Text Generation • Updated 3 da... • 27k • 657

TRELLIS

580


Qwen/QwQ-32B-Preview



Text Generation • Updated 1... • 77.5k • 1.18k


black-forest-labs/FLUX.1-dev

Text-to-Image • Updated A... • 1.37M • 7.08k

# FastAPI

 FastAPI

 fastapi/fastapi  
0.115.6 78.4k 6.7k

FastAPI 기능 배우기 Reference FastAPI People 리소스 소개 Release Notes

FastAPI



FastAPI 프레임워크, 고성능, 간편한 학습, 빠른 코드 작성, 준비된 프로덕션

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대안 API 문서

# Streamlit

streamlit app

stream support  
dynamic layer control  
dynamic map to render  
dynamic updates  
geojson geosys  
geojson styles  
grouped layer control  
image overlay  
layer control  
load data return  
misc examples  
realtime


### streamlit-folium

streamlit-folium integrates two great open source projects in the Python ecosystem: [Streamlit](#) and [Folium](#).

Currently, there are two functions defined:

- `folium_map()` is a bidirectional Component, taking a Folium/Mapbox object and plotting to the Streamlit app. Upon mount/interaction with the Streamlit app, `folium_map()` returns a list with selected information including the bounding box and items clicked on.
- `folium_figure()` takes a Folium Map, Folium Figure, or Mapbox element Figure object and displays it in a Streamlit app.

On its own, Folium is limited to display only visualizations; the Folium API generates the proper [Leaflet](#) specification, as HTML and displays it. Some real-time.

 streamlit folium documentation  
randyzwitch

50K ↻

Llama 2 Chatbot

This chatbot is created using the open-source Llama 2 LLM model from Meta.

API key already provided!

Models and parameters

Choose a Llama2 model

Llama2 7B

Temperature

0.43

0-81


1-88

top\_p

0.8

How may I assist you today?

Your message

 Llama 2 Chatbot  
dataprofessor

48K ↻

PEER

4.0.3.1

Hallo, ich bin PEER!

Ich helfe dir beim Schreiben und Verbessern von Aufsätzen :)

Titel

Gib hier den Titel oder das Thema deines Aufsatzes ein

Aufsatztitel ... Schularzt ... Jahressatz ... Bundesland

 app  
kathrinse

48K ↻

Wayback Tweets

Retrieve archived tweets CSV data in HTML (for easy viewing of the tweets), CSV, and JSON formats.

For better performance, use the CLI version, available on [Pypi](#).

To access the legacy version of Wayback Tweets, [click here](#).

Username \*

Without @

DE Zoomcamp

DE Zoomcamp 2024

Course Overview

Module 1 Introduction & Overview

Module 2 Workflow Orchestration

Module 3 Data Ingestion

Module 4 Data Warehouse and BI

Module 5 Analytics Engineering

Module 6 Batch Processing

Module 7 Stream Processing

Module 8 Stream Processing

Data Engineering Zoomcamp by DataCamp

## gradio Playground

Demos

New Demo

Text

Hello World

Hello Blocks

Sentence Builder

Diff Texts

Media

Sepia Filter

Video Identity

Iterative Output

Generate Tone

Tabular

Filter Records

Transpose Matrix

Tax Calculator

Kinematics

Stock Forecast

Chatbots

Chatbot

Streaming Chatbot

Code

Packages

1 import random

2 import gradio as gr

3

4 def random\_response(message, history):

5 return random.choice(["Yes", "No"])

6

7 demo = gr.ChatInterface(random\_response, type="messages", autofocus=False)

8

9 if \_\_name\_\_ == "\_\_main\_\_":

10 demo.launch()

11

Prompt will update code in editor CLEAR

What do you want to change? e.g. 'Add a title and de

Ask AI BETA

Share Your App

Deploy to Spaces

Preview 577px

Chatbot

Type a message...

# Gradio