

# Continuous Learning for Developers

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# CodeMash 2023

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# Problem

You need  
professional  
development



# Goals

Maximize  
learning for  
your investment



# The Key: Engagement



# Big Takeaway #1:

You can get “in the zone” for learning

# The Key: Engagement

Externals



# The Key: Engagement

Externals:  
Physical needs



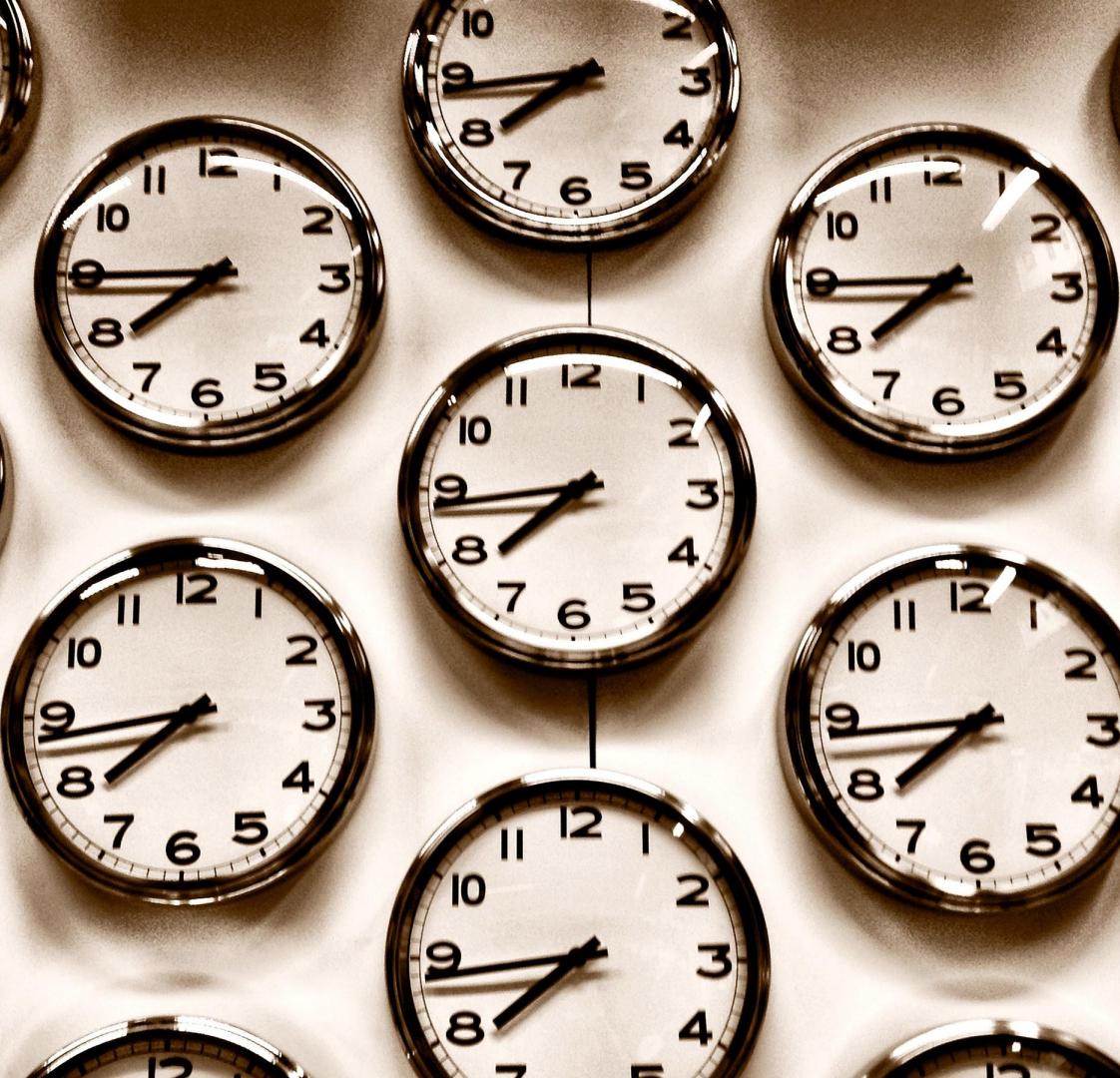
# The Key: Engagement

Externals:  
Physical needs  
Location



# The Key: Engagement

Externals:  
Physical needs  
Location  
Enough time



# The Key: Engagement

Mental attitude



# The Key: Engagement

Have a goal



# The Key: Engagement

A good goal is:

- Specific



# The Key: Engagement

A good goal is:

- Specific
- Measurable



# The Key: Engagement

A good goal is:

- Specific
- Measurable
- Achievable



# The Key: Engagement

Stuck?  
Let somebody else  
make your goal

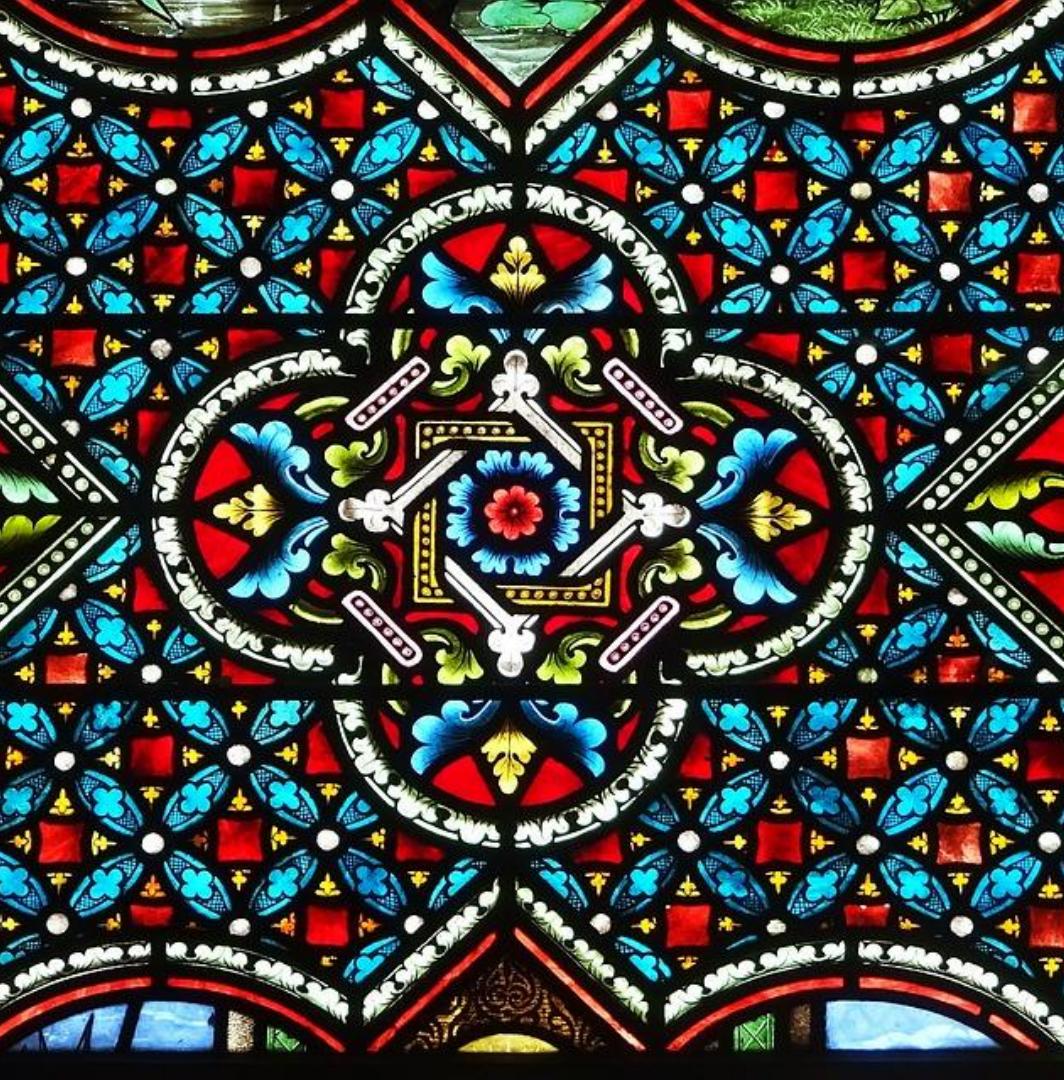


# The Key: Engagement

Mental attitude:  
When it's not your  
choice

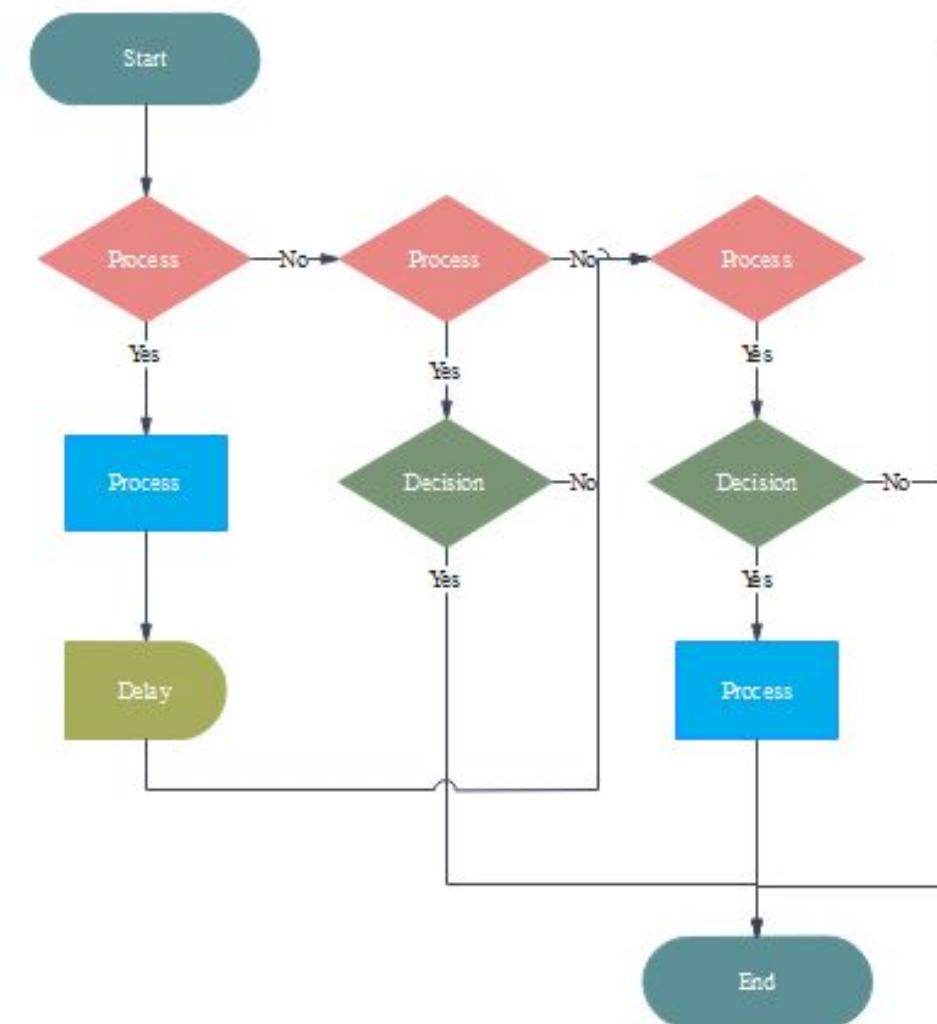


# Learning Styles



# Learning Styles

Visual  
A  
R  
K



# Learning Styles

Visual  
Auditory

R  
K



# Learning Styles

Visual

Aural

Reading/Writing

K



# Learning Styles

Visual  
Aural  
Reading/Writing  
Kinesthetic



# Learning Styles

Visual

Aural

Reading/Writing

Kinesthetic

Amounts to personal  
preference



# Big Takeaway #2:

Practice, practice, practice

# Let's talk formats



# Books

Reading/Writing  
Visual  
Kinesthetic



# Books

Sources:

Pragmatic

O'Reilly

No Starch

Apress

Wrox

Wiley

Manning

Addison-Wesley

Prentice Hall



# Online Tutorials

## Contents

### Prerequisites

Step 1 – Installing Apache

Step 2 – Adjusting the Firewall

Step 3 – Checking your Web Server

Step 4 – Managing the Apache Process

Step 5 – Setting Up Virtual Hosts  
(Recommended)

Step 6 – Getting Familiar with Important Apache Files and Directories

Conclusion

# How To Install the Apache Ubuntu 18.04

Posted April 27, 2018

©417.1k

APACHE

UBUNTU 18.04



By [Justin Ellingwood](#) and [Kathleen Ju](#)  
[Become an author](#)

[Not using Ubuntu 18.04? Choose a different version](#)

## Introduction

The Apache HTTP server is the most widely-used web server in the world. It is known for its powerful features including dynamically loadable modules, its robust security, and its integration with other popular software.

In this guide, we'll explain how to install an Apache server on an Ubuntu 18.04 system.

## Prerequisites

# Video

Visual  
Audio  
Kinesthetic



# Video

Sources:

Pluralsight

LinkedIn Learning

Khan Academy

Codecademy

Treehouse

Udemy

Frontend Masters

YouTube



# Interactive

Kinesthetic  
Audio  
Reading/Writing



# Interactive

datacamp

EXERCISE

### Encoding time by color

The screen only has two dimensions, but we can encode another dimension in the scatter plot using color. Here, we will visualize the `climate_change` dataset, plotting a scatter plot of the `"co2"` column, on the x-axis, against the `"relative_temp"` column, on the y-axis. We will encode time using the color dimension, with earlier times appearing as darker shades of blue and later times appearing as brighter shades of yellow.

INSTRUCTIONS 100 XP

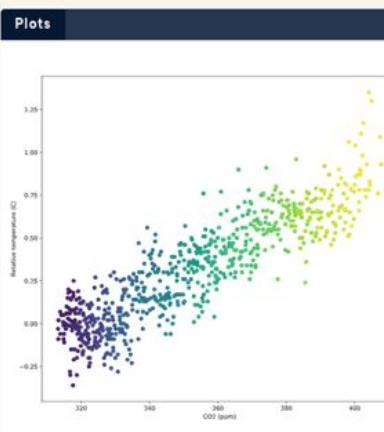
- Using the `ax.scatter` method add a scatter plot of the `"co2"` column (x-axis) against the `"relative_temp"` column.
- Use the `c` key-word argument to pass in the index of the DataFrame as input to color each point according to its date.
- Set the x-axis label to `"CO2 (ppm)"` and the y-axis label to `"Relative temperature (C)"`.

Take Hint (-30 XP)

```
query.sql
```

```
1 fig, ax = plt.subplots()
2
3 # Add data: "co2", "relative_temp" as
4 x-y, index as color
5 ax.scatter(climate_change["co2"],
6 climate_change["relative_temp"],
7 c=climate_change.index)
8
9 # Set the x-axis label to "CO2 (ppm)"
10 ax.set_xlabel("CO2 (ppm)")
11
12 # Set the y-axis label to "Relative
13 temperature (C)"
14 ax.set_ylabel("Relative temperature
15 (C)")
```

Plots



IPython Shell

```
In [1]:
```

# Interactive

Sources:

O'Reilly (Katacoda)

Instruct

Treehouse

Udacity

Scrimba

Coderbyte

DataCamp

Exercism



# Training

Audio  
Kinesthetic  
Reading/Writing



# Training

Sources:

Coursera

Skillshare

Boot camps

Consultants

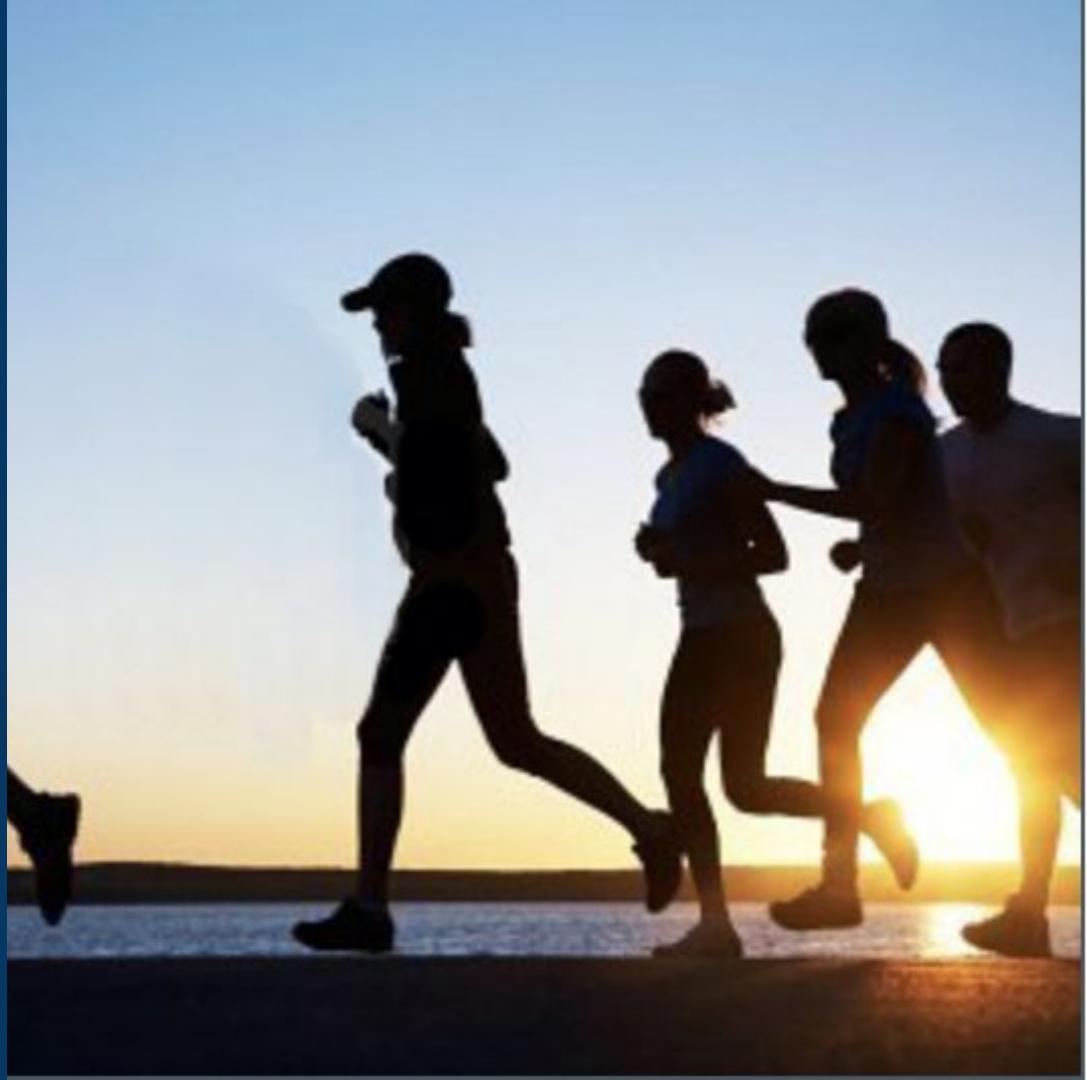


# Selecting a Format



# Selecting a Format

## Pacing



# Pacing



# Selecting a Format

## Pacing Practice



# Practice



# Selecting a Format

Pacing  
Practice  
Feedback



# Feedback



# Selecting a Format

Pacing  
Practice  
Feedback  
Cost



# Cost



# Selecting a Format

Pacing  
Practice  
Feedback  
Cost  
Availability



# Availability



# Which to choose?



# Which to choose?

Resources a factor?  
Books / Video



# Which to choose?

Resources a factor?

Books / Video

Have resources, but solo?

Interactive



# Which to choose?

Resources a factor?

Books / Video

Have resources, but solo?

Interactive

Have resources and a group?

Training



# Which to choose?

None of this is foolproof



# Which to choose?

Find out in advance:  
Read the reviews



# Which to choose?

Find out in advance:

Read the reviews

Trust the gatekeepers



# Which to choose?

Find out in advance:

Read the reviews

Trust the gatekeepers

Find the free samples



# When to cut your losses

Sometimes,  
stuff goes  
wrong



# When to cut your losses

Find the source  
of the problem:  
Ask questions



# When to cut your losses

Avoid the sunk  
cost fallacy



# Big Takeaway #3:

If it's not working for you, find something that does

# Mix and match



# Working in groups



# Working in groups

If it goes well



# Working in groups

If it goes poorly



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## **Verbs, Not Nouns**

Writing Documentation Users Want to Read

Tomorrow, 9:45 a.m., Indigo Bay