

DAILY ASSESSMENT FORMAT

Date:	23-07-2020	Name:	BINDUSHRI		
Course:	Basics statistics	USN:	4AL17EC011		
Topic:	Week-5	Semester & Section:	6th sem&Asec		
Github repository	Bindushri				

FORENOON SESSION DETAILS (9.00am to 1.00pm)

coursera

Explore

What do you want to learn?



Bindushri



Overview

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Grades

Notes

Discussion Forums

<https://www.coursera.org/learn/basic-statistics/home/week/8>

Mean and variance of a random variable

✓ **Reading:** Mean and variance of a random variable 10 min

✓ **Video:** 4.03 The mean of a random variable 4 min

✓ **Video:** 4.04 Variance of a random variable 6 min

The normal distribution

✓ **Reading:** The normal distribution 10 min

✓ **Video:** 4.05 Functional form of the normal distribution 6 min

✓ **Video:** 4.06 The normal distribution: probability calculations 5 min

✓ **Video:** 4.07 The standard normal distribution 8 min



03/07/2020

classmate

Date
Page

Week-5 Sample and Sampling

Sample and population

there are
76 200 students.
↓

Quantitative Computations.

Univariate analyses	model means
Standard deviations	bivariate analysis
Pearson r	regression analysis

↓
numerical summaries
Statistics.

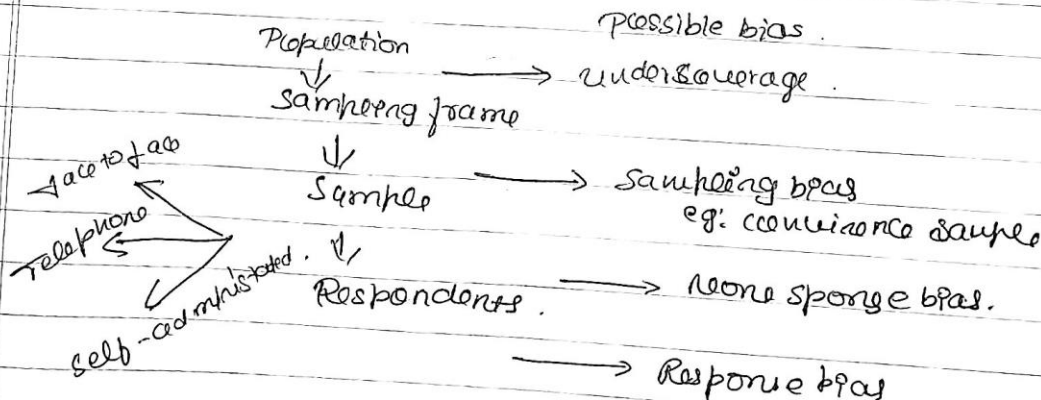
Sample	→	Population
Statistics	Inferential Statistics	Parameters
Roman letter		↓
\bar{x} = mean		Greek letters
S = SD in sample		μ = mean
		σ = SD in population

Hypothetical score in population?

$$\bar{x} = 3.12$$

$\mu = ?$ (Inferential Statistics)

Sample → Inferential statistics → Population.
Sample is a subset of population




DAILY ASSESSMENT FORMAT

Date:	23-07-2020	Name:	BINDUSHRI
Course:	IOT using GOOGLE CLOUD	USN:	4AL17EC011
Topic:	Week-1	Semester & Section:	6th Asec

AFTERNOON SESSION DETAILS(2.00pm to 5.00pm)

Welcome to the course

-  **Video:** Welcome to IIoT on GCP
5 min

-  **Video:** IoT on GCP Overview
5 min

How to use Qwiklabs

- Course Feedback
- What is IoT?
- Cloud IoT Platform
- Sensors and Devices
- Communicating with Devices

- Pub/Sub

- ## Cloud IoT Core

- ## Google Cloud Storage

- ## Dataflow

Welcome to IIoT on GCP



Industrial IoT on Google Cloud IoT Platform

Catherine Gamboa



Save Note Discuss Download

English

[Help Us Translate](#)

Notes


 All notes



Click the "Save Note" button when you want to capture a screen. You can also highlight and save lines from the transcript below. Add your own notes to anything you've captured.

Welcome to the course

-  **Video:** Welcome to IIoT on GCP
5 min

-  **Video:** IoT on GCP
Overview
5 min

How to use Qwiklabs

- ## Course Feedback

What is IoT?

- ## Cloud IoT Platform

- ## Sensors and Devices
- ### Communicating with Devices

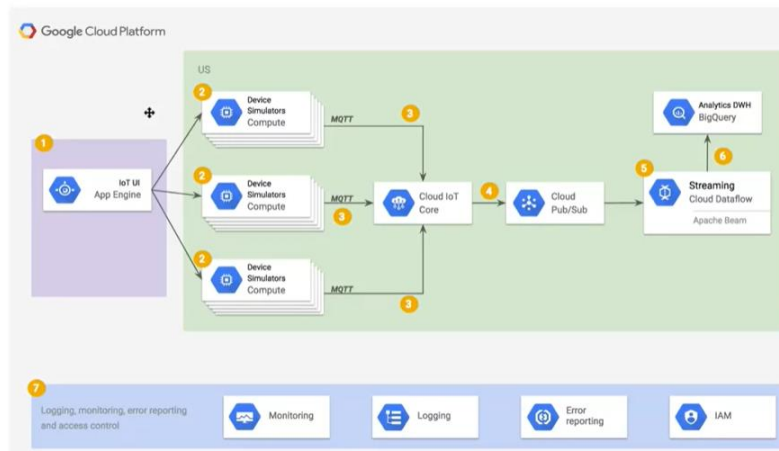
- Pub/Sub

- ## Cloud IoT Core

- ## Google Cloud Storage

- ## Dataflow

IoT on GCP Overview



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👍 🗨 🚩

English 

[Help Us Translate](#)

Welcome to the course

How to use Qwiklabs

Course Feedback

What is IoT?

Cloud IoT Platform

Sensors and Devices

Communicating with Devices

Pub/Sub

Cloud IoT Core

Google Cloud Storage

Dataflow

Getting Started with Google Cloud and Qwiklabs

Lab: Console and Cloud Shell | Qwiklabs

googlecoursera.qwiklabs.com/focuses/37217

Incognito (2)

← Console and Cloud Shell

End Lab

00:39:45

Score 0/15

Open Google Console

Caution: When you are in the console, do not deviate from the lab instructions. Doing so may cause your account to be blocked. [Learn more.](#)

Username

student-01-bb06fb2d4d17@qwiklabs.net

Password

xm1t6X5ns

GCP Project ID

qwiklabs-gcp-01-4676a6178d30

Console and Cloud Shell

Chat

Save Note

Discuss

Download

English

Help Us Translate

Course Feedback

What is IoT?

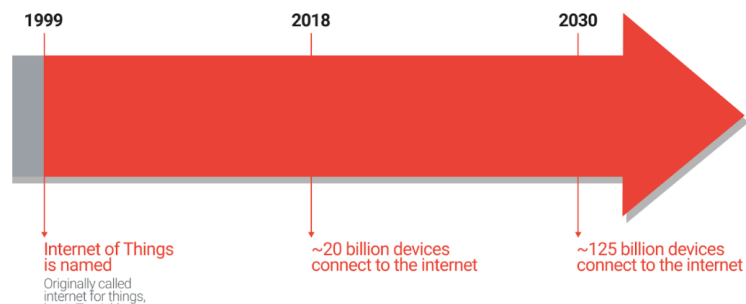
Cloud IoT Platform

Sensors and Devices

- ▶ **Video:** Module Introduction
1 min
- ⌚ **Reading:** Sensors and Devices Introduction
5 min
- ⌚ **Reading:** Types of Sensors
4 min
- ⌚ **Reading:** Choosing a Sensor
6 min
- ⌚ **Quiz:** Choosing a Sensor
3 questions
- ⌚ **Reading:** Devices
3 min
- ⌚ **Reading:** Device Commands
4 min
- ⌚ **Reading:** Defining Devices

Lesson Introduction

The amount of attention IoT is getting is growing exponentially. In fact, the term "Internet of Things" wasn't created until 1999. Since then, the field of IoT has grown tremendously. In 2018, the number of installed IoT devices was estimated to be about 1.2 billion; by 2030, the number is expected to reach 125 billion.



 Quiz: Internet of Things

Machine learning on the edge

Due Jul 20, 9:59 AM EAT

GRADE
100%

Yes, each of these use cases is getting valuable insights about their particular real world situations. And it is due to the data collected from IoT sensors and devices.

23/07/2020 week-1

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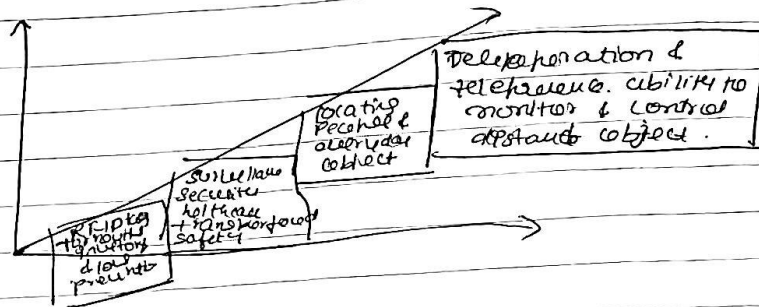
Date _____
Page _____

IoT on Google cloud platform

IoT on GCP

Foundations of GCP Architecture
Sensors, Devices and cloud communication
Google cloud IoT platform
creating pipelines
Analysing Data with Bigquery
Analysing Data with cloud Data prep
optional capstone project

functional advantages of IoT adoption



IoT

Device \longleftrightarrow gateway \longleftrightarrow cloud

Devices interact with the environment by gathering data or performing an action upon the environment. they can be connected version of common objects you might already know, or new & purpose - build devices.

gateway ensures that devices are securely connected to the cloud. A gateway can be a cellphone, a personal assistant, or a microprocessor platform. cloud handles computation and data storage, real time and batch analytics, & machine learning and visualization.

meet.google.com/hyp-vcnt-izd

REC Badhusha Mohideen is presenting

Colab is experiencing issues connecting to Drive, and we are actively investigating.

Pythonic code workshop Day 3 session 1 ...

File Edit View Insert Runtime Tools Help Last s...

+ Code + Text

```
i=25
for k in range(2, i//2+1):
    if i%x==0:
        print("The number {} is not prime".format(i))
        break
if x ==i//2:
    print("{} is a prime number".format(i))
```

The number 25 is not prime

meet.google.com is sharing your screen. Stop sharing Hide

Day 3 Online workshop on

People (172)

- Bindu (You)
- Abhishek A
- Abhishek M Shas
- Abhishek Sarangi
- Abhishek sh
- Ajitha Hegde
- Akash . S
- AKSHAN SANDEE
- Akshata Madiwal
- Akshata Deshp
- Akshata Bangar

Badhusha Mohideen is presenting

Colab is experiencing issues connecting to Drive, and we are actively investigating.

Pythonic code workshop Day 3 session 1 ...

File Edit View Insert Runtime Tools Help All ch...

+ Code + Text

```
x = (1, 2, 4, 8, 16)
a = x[0]
b = int(x)
c = 5
d = 5
e = x[4]
print(a, b, c, d, e)
```

1 2 4 8 16

meet.google.com is sharing your screen. Stop sharing Hide

Badhusha Mohideen is presenting


Nishma K has left the meeting

Badhusha Mohideen is presenting

People (172)

- Badhusha Mohideen
- VATHSAI A S V
- harshitha thim...
- Priya Nagari_4...
- rashmi rk
- AKSHAN SAND...
- RACHANA B S...
- Neha T
- AKSHAN SAND...
- RACHANA B S...
- Priya Nagari_4...
- MAMATHA M

REC

Badhusha Mohideen is presenting

Day 2 - Session 2 ppt - Libre... | Day 2 - session 2 Examples p... | meet.google.com is sharing ... | Pythonic Workshop Day 2 se... | 4 days workshop Day 2 - File ...

4 days workshop Day 2 - File Manager

File Edit View Go Help

colab.research.google.com/drive/198pbCWEn4NHX4mUDOk0rbrYxDgJ1NANI#scrollTo=m703tWWT0mZ

Pythonic Workshop Day 2 session 2 example.ipynb

File Edit View Insert Runtime Tools Help All changes saved

+ Code + Text

```
from google.colab import drive
drive.mount('/content/drive')
#Python Program to count the number of lines in a text file.
#file = '/content/drive/My Drive/doc.txt'
file = '/content/newfile.txt'
num_lines = 0
with open(file, 'r') as f:
    for line in f:
        num_lines += 1
print("Number of lines:")
print(num_lines)
```


Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount('/content/drive')
Number of lines:
2


newfile.txt


1 I am Dr.Sm.Badhusha
2 I am handling the session
3 I am very happy
4 I am working for AIET

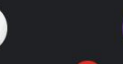
counting number of


meet.google.com is sharing your screen. Stop sharing Hide

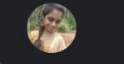
Badhusha Mohi...

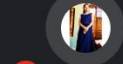
Shilpa AIET


Dhanya Byndoor

Ashish Menezes

Suvama K Nayak

padmini gowda

manjunatha hai

BHARGAVI NIC...

28/07/2020.

classmate

Date

Page

Python

$P=25$

for x in range (2, $P//2+1$):

if $P \% x == 0$:

print ("the number P is not prime".format(P))
break

else:

Print ("P is a prime number".format(P))

using ~~unpacking~~ of variable.

$a, b = 2, 'my_string'$

Print(a)

Print(b)

~~Bad~~ unpacking.

$x = (1, 2, 4, 8, 16)$

$a = x[0]$

$b = x[1]$

$c = x[2]$

$d = x[3]$

$e = x[4]$

print (a, b, c, d, e)

for P in range (len(x) - 1, -1, -1):

print (x[P])

→ 16

8

4

2

1

unpacking

for x_item, y_item in zip (x, y):

print (x_item, y_item)

