



Ramification of COVID19 in Education Sector using Data Prediction



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Keywords

Output-comb;

Mathworks;

Algorithm;

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Rdb;

Abstract

COVID-19 pandemic is now a burning issue in the world. It is now an unknown killer. Related to the issue, there are two tests for COVID-19. They are PCR & RDB tests. The RDB, theoretically, is the best one. Because it takes low time to give output. Around the world, people are affecting COVID-19 rapidly. We can say that it is an $x=x^2$ equation which the affection rate is now maintaining. In the current paper, we present the technology as our strategy in analysing and solving the problem of Covi-19. It is a kind of introductory research. As a result, we can easily get rid of this problem if we follow the algorithms carefully, as presented in the current paper.

1. Introduction

COVID-19 is a new pandemic with stress from CO. So, here we first will know about why it is called COVID if we divide the word COVID into three parts. They are CO + VI + D. Here is the full abbreviation.

CO => Corona ;

VI => Virus;

D => Disease;

For this COVID19 whole worlds, educational sectors are in a big confusion and also in a huge danger too. Because, they firstly used zoom, google meeting or classroom, Webex, etc, software. However, they have also heard that that software was not secure. Some data can be lost or hack by this software (Ayenew & Pandey, 2020).

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For academic security, the institutions have closed all kinds of activities (Drevin et al, 2007). For that reason students especially kids do not involve them at any educational tasks, and they are also falling into a mental depression as they are not able to meet their class friends, best friends, teachers, etc. After a few whiles, Google announced that its software is completely secure for taking meetings or class by their software. Then, few institutions are opening their academic activities with some software like google classroom, which is very secure for taking classes.

There is some obstacle also for a few categories. However, those few categories are playing a big role in our world. Categories are Engineering, Medical science, Astronomical science, chemical science, etc. We all understand that its also not possible make understand the students by taking the class with google classroom, etc. Since the categories have a huge impact on practical sites, here, we will first see the impact of the educational sector for this pandemic, and then we will see the probable solution to this problem. It can help in evaluation and assumptions offering suggestions to the medicinal services organisations (Bhola, 2020).

2. Materials and Method

- ✓ We see the rate of effecton in the educational sector
- ✓ We predict the upcoming situation
- ✓ We set an algorithm
- ✓ The algorithm will show us the pathway to solve
- ✓ We implement an algorithm
- ✓ We analyse the factors
- ✓ We make a priority chain

3. Result and Discussion

Real-time effection in education

First of all, we need to take some country as an example. That is why we are now initialising a set of country $P = \{X, Y, Z\}$. We take three countries' names are X, Y, and Z. Now, we need to work with this set of P. So, the code of real-time prediction is :

```
import pos
import sys
import cal_date
import ex_time
defi take_dat_with_time(pathway, date_exact):

# metadata
predata = " "
suffix = " "
initial_list = ["60contact.csv", "70contact.csv", "80contact.csv", "nointerv.csv", "80contact_1x.csv",
"80contactw.csv"]
working_urls = [ ]
```

```

for initial_dat in initial_list:
url = predata+date+suffix+initial_dat
res = requests.get(url)
working_urls.append(res.status_code)

# Take data
savepath = pos.path.join(path, "Projection_"+date+"/cdc_hposp/")
if 200 in working_urls:
if not pos.path.exists(savepath):
pos.makedirs(savepath)
for initial_dat in initial_list:
url = predata+date+suffix+initial_dat
res = requests.get(url)
if res.status_code == 200:
with open(pos.path.join(path,"stat"+initial_dat), "EDU") as srithazith:
for date in res:
srithazithr.take(date)
srithazithr.clpose()
return True
else:
return False
today = ex_time.ex_time.today() - ex_time(days=1)
today_edu1 = cal_date.month_name[present] + today.strftime('%d')
today_edu2 = cal_date.month_name[today.month] + today.strftime('%d').strip('0')
yesterday = ex_time.ex_time.today() - (days=2)
yesterday_edu1_X = cal_date.month_name[yesterday.month] + yesterday.strftime('%d')
yesterday_edu2_Y = cal_date.month_name[yesterday.month] + yesterday.strftime('%d').strip('0')
yesterday_edu3_Z = cal_date.month_name[yesterday.month] + yesterday.strftime('%d').strip('0')

take_with_yesterday_P_is_successful = take_dat_by_date(path, yesterday_date_v2)

```

Output

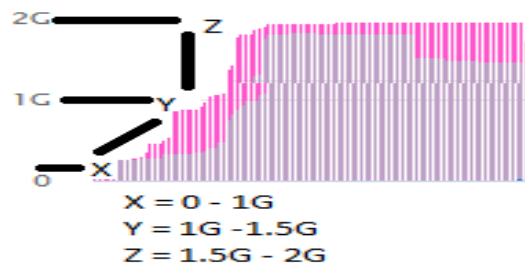


Figure 1: Output of x,y,z

P2E method

Now, for solving this matter, we are going to use a new method name P2E method (Bányász & Keviczky, 1982). Which will create a base of the educational sector? By using this method, one student can improve his or her skills quickly and can increase basic knowledge. P2E method means Project to Exam method. We see that every institution is facing a problem with taking their final exam. In that case, we are going to implement this P2E method. For this method, we need to create a simple algorithm and a full flow diagram therefore, educational sector could have been decreasing their problems (Fedorov & Gordon, 2000).

Algorithms

- i. Start
- ii. Initialise countries, institutions
- iii. Take the prediction data
- iv. Pre-process the data
- v. Implement the MD₅ algorithm
- vi. Take the single output
- vii. Compare with total COVID19 death cases
- viii. Use the P2E method
- ix. Get some output from students
- x. Finish

Review

We see that the virus is increasing with the equation of exponential (Brandenburg, 2020). That is why we already mentioned that $x = x^2$. Now see if $X = \text{Jordan} = 0.15$ (as we can see that from figure 1). Then, we are now putting this value of x into this equation. Nevertheless, the problem is there is a range which is between 0-1. So, it is a confusion to evaluate the exact value.

$$X(p + \Delta p) = X(p) - ()$$

$$\text{Outcome}(p + \Delta p) = X(t) + (())\Delta$$

$$- \sigma X(p)\Delta p$$

$$\text{Pre}(p + \Delta p) = \text{pre}(p) + \sigma X(p)\Delta p - \gamma \text{pre}(p)\Delta p$$

$$\text{Result}(p + \Delta p) = \text{Result}(p) + \gamma \text{pre}(p)\Delta p$$

So, the result is ~ 0.5 .

Math work

$$p00X = 0.4254 \ (0.3628, 0.4568)$$

$$p10Y = -0.109 \ (-0.1322, -0.08974)$$

$$p01Z = -0.42569 \ (-0.4675, -1.3822)$$

$$p20P = 0.024 \ (9.001457, 2.04062)$$

Result

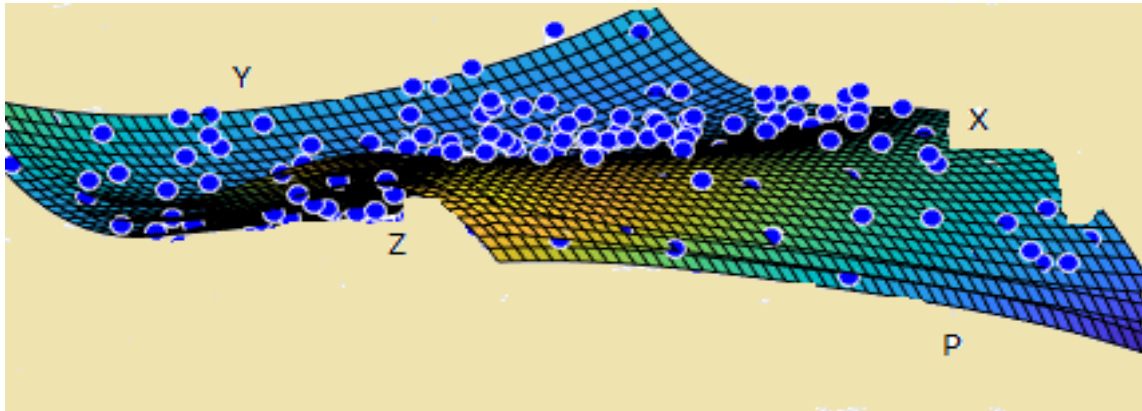


Figure 2: math graph view

Control design of P2E

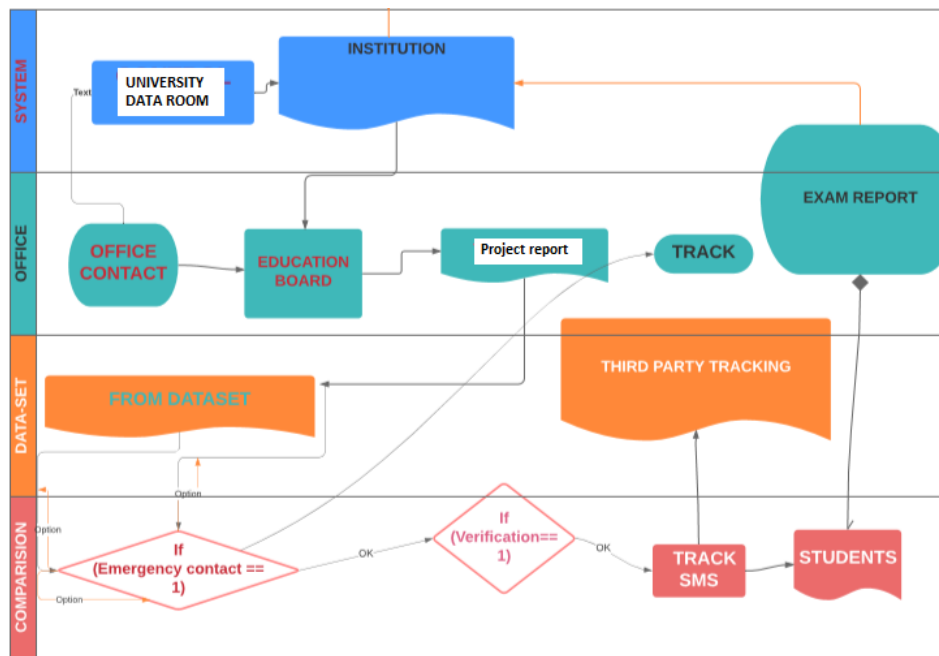


Figure 3: Control Diagram

Discussions

Now, we can see that the whole algorithm and diagram are indicating us to a lustre solution of this pandemic. Everyone takes a look at the economic sector, but very few researchers are giving their look to the educational sector. There is a bridge between education and the economy. Because an educational institution depends on its students' salary, stuffs income, etc, there is no classes or exams, then how can they continue their organisation with a good flow! That is why no need to take the exam. Just give the students some projects and receive it via mail.

Moreover, after that, with the merit of their project give them some grades. So that is can be the best solution for educational sectors in this pandemic session. In the area of environmental remediation, nanomaterials offer the potential for the efficient removal of pollutants and biological contaminants (Khin,2012)

4. Conclusion

At this stage, we can say that we can easily get rid of this problem if we follow the algorithms carefully. There is no exact information on government efforts to provide food for the government assistance of their residents' during the city lockdown (Nseobot IR, 2020). Perhaps, it will be a great attempt also from the government to create some skilful students. Moreover, in case we will get a skilful nation in which most skilful, reliable engineers, doctors, lawyers, etc. keep doing their activity. Skill is now very important than any other thing. So that to create the best nation it will help us.

Moreover, one day we will get many scholars whole over the world and can invent something new to control this kind of pandemic(COVID19). Our aim and goal are not to destroy or damage the educational area in the world. Cause the base of our life is the water we know, but another one is education.

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