INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY CAMPUS CIUDAD DE MÉXICO

How was LEGO affected by Covid-19?

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Business Programming

Group: 001

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FINAL STEPS - BUSINESS PROGRAMMING

FIRST FUNCTIONS, THE WHOLE PROGRAM IS STORED THERE

```
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Lego.py

1 > def BUSINESS_PROGRAMMING_FINAL_PROJECT_LEGO_PERDORMANCE():

BUSINESS_PROGRAMMING_FINAL_PROJECT_LEGO_PERDORMANCE()

368
```

STATS DATA CODING

STATS DATA DISPLAYED

1st GRAPH

2ND GRAPH

3RD GRAPH

```
def graphs():

def first_graph():

#FAMACHISES SALES CRAPH ONE
p. subplot(211)
p. xlabel('legs Franchises')
p. ylabel('sales 2828')
p. title('Nath franchise is having more sales during this year?")
barlist=p.bar(franchise is having more sales during this year?")
barlist(9).set_color("#B646c")
barlist(1).set_color("#B646c")
barlist[3].set_color("#B646c")
barlist[3].set_color("#B646c")
barlist[4].set_color("#B646c")
barlist[5].set_color("#B646c")
barlist[8].set_color("#B646c")
barlist[8].set_color("#B646c")
barlist[9].set_color("#B646c")
barlist[9].set_color("#B646c")
barlist[1]].set_color("#B646c")
barlist[1]].set_color("#B646c")
barlist[1]].set_color("#B646c")
barlist[1]].set_color("#B646c")
barlist[1]].set_color("#B646c")
barlist[1]].set_color("#B666c")
barlist[2]].set_color("#B666c")
```

```
p.subplot(222)
p.slabel("Country")
p.ylabel("Sales 2020")
p.title("Mat country is having more lego sales during this year)")
p.title("Mat country is having more lego sales during this year)")
p.title("Mat country is having more lego sales during this year)")
barlist2(a).set color("#186dec")
barlist2(a).set color("#86deba")
barlist2(a).set color("#86dec")
barlist2(a).set color("#86dec")
barlist2(a).set color("#186dec")
barlist2(b).set color("#186dec")
barlist2(b).set color("#186dec")
barlist2(b).set color("#186dec")
barlist2(b).set color("#186dec")
barlist2(a).set color("#186dec")
barlist
```

```
#EMPLOYEES GRAPH ONE
p.subplot(414)
p.xlabel("Fm)
p.ylabel("Employees")
p.title("What year Lego had more employees?")
p.plot(year,employees,"cp-")
p.xticks(rotation = 45)
p.show()
second_graph()
```

1stgraph

Sales franchises

2ndgraph

Sales2020Country

3rdgraph

Employees

4rd Graph (Displays a pie chart of the SALES relationship between 2019 and 2020)

```
def second_graph():
#SALES COMPARISON 2019 - 2020
ent20 = input(color.80LD+color.YELLON+"Excellent! Press enter to display a pie chart, to appreciate the number of sales of 2019 vs 2020"+color.END)
all_sum2019 = sum(sales2019)
all_sum2020 = sum(sales2020)
```

Changing Values Function

LOG IN FUNCTION

RESET PASSWORD FUNCTION

The LEGO Group. (2019). The LEGO Group Annual Report 2019. 19.10.2020, de LEGO Retrieved from:

 $https://www.lego.com/cdn/cs/aboutus/assets/blt55a9aaa4253b2fa5/Annual_Report_2019_EN-G.pdf.pdf$