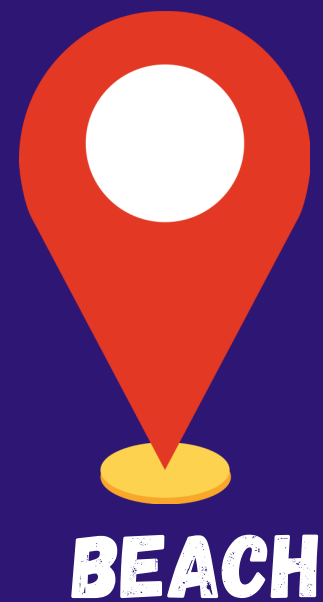
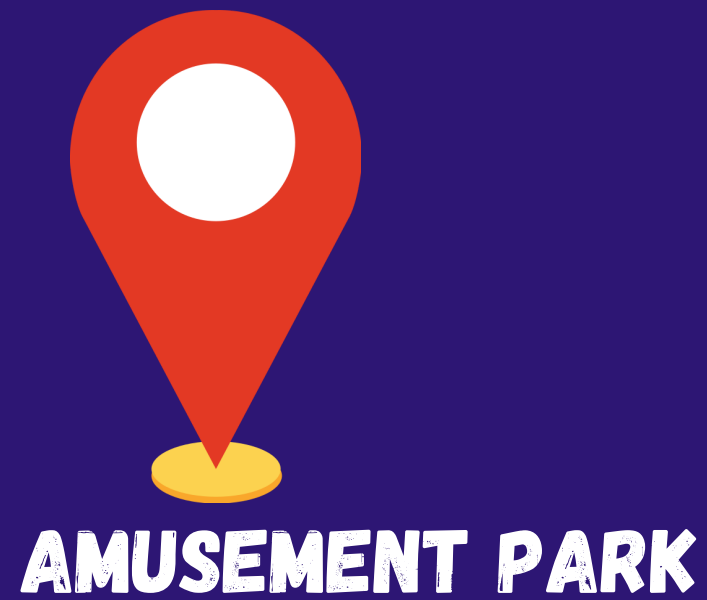
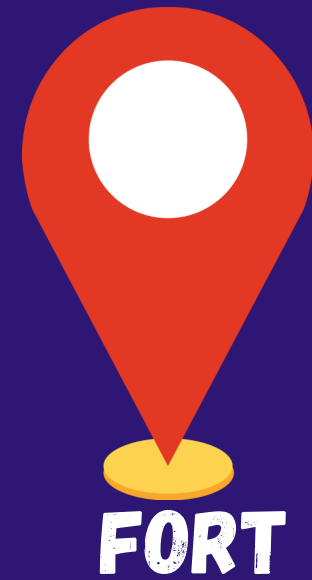
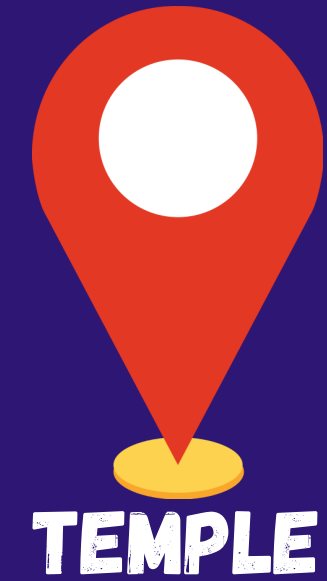


HASTEN THE PLAN

COMPILED BY: MLH026



- **jashwanth**
- **sravan**
- **praneeth**
- **shankar**



**Wasting time on deciding
where to go....?
e'll fd you the best place of
your choice**

Problem reference

- Generation Z has an average of 29 vacation days per year.
- Millennials have an average of 35 vacation days a year.
- Generation X has an average of 26 vacation days per year.
- Boomers between 55-75 have an average of 27 vacation days a year.
- Generation X accounts for one out of every three leisure travellers and will average between three and four trips this year.
- 55-75-year-olds plan to have four or five trips in the next year.
- 42% of baby boomers plan on both domestic and international vacations.

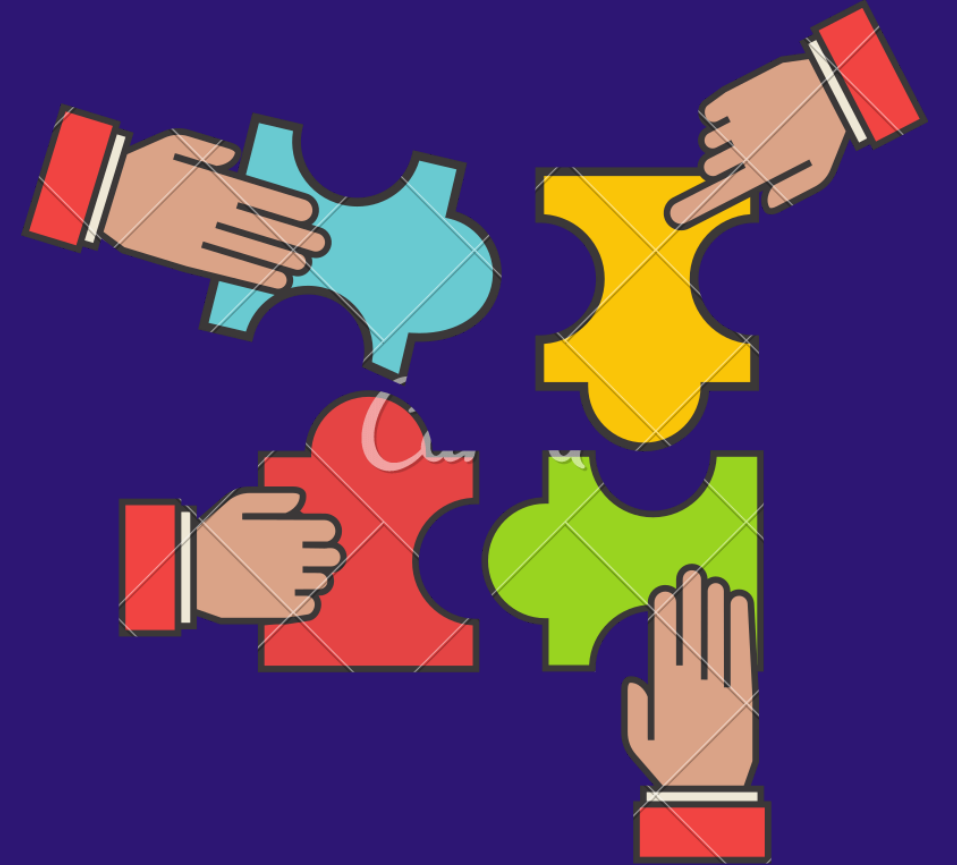
- 83% of millennials said they prefer all-inclusive and other worry-free vacations.
- 56% of Gen Z travel to visit family.
- 50% of millennial travel is visiting family.
- 57% of baby boomers travel to visit family and friends.
- Millennials are 13% more likely to visit a destination with cultural or historical significance compared to the general population.
- 47% of millennials and 40% of Gen Z vacation to relax and avoid stress.
- 45% of millennials travel to learn more about themselves.



PEOPLE INVOLVED

- new commmers to a city
- or those who want to

explore more



PROPOSED SOLUTION

- Suggesting leisure spots to a person based on the persons age , companion , time
- By analysing the habits if people of similar age groups and perspectives



FITMENT OF TECHNOLOGY

- ***Type of Problem***

Classification-SVM

- ***Outcome***

suggesting the best possible places to spend their leisure time



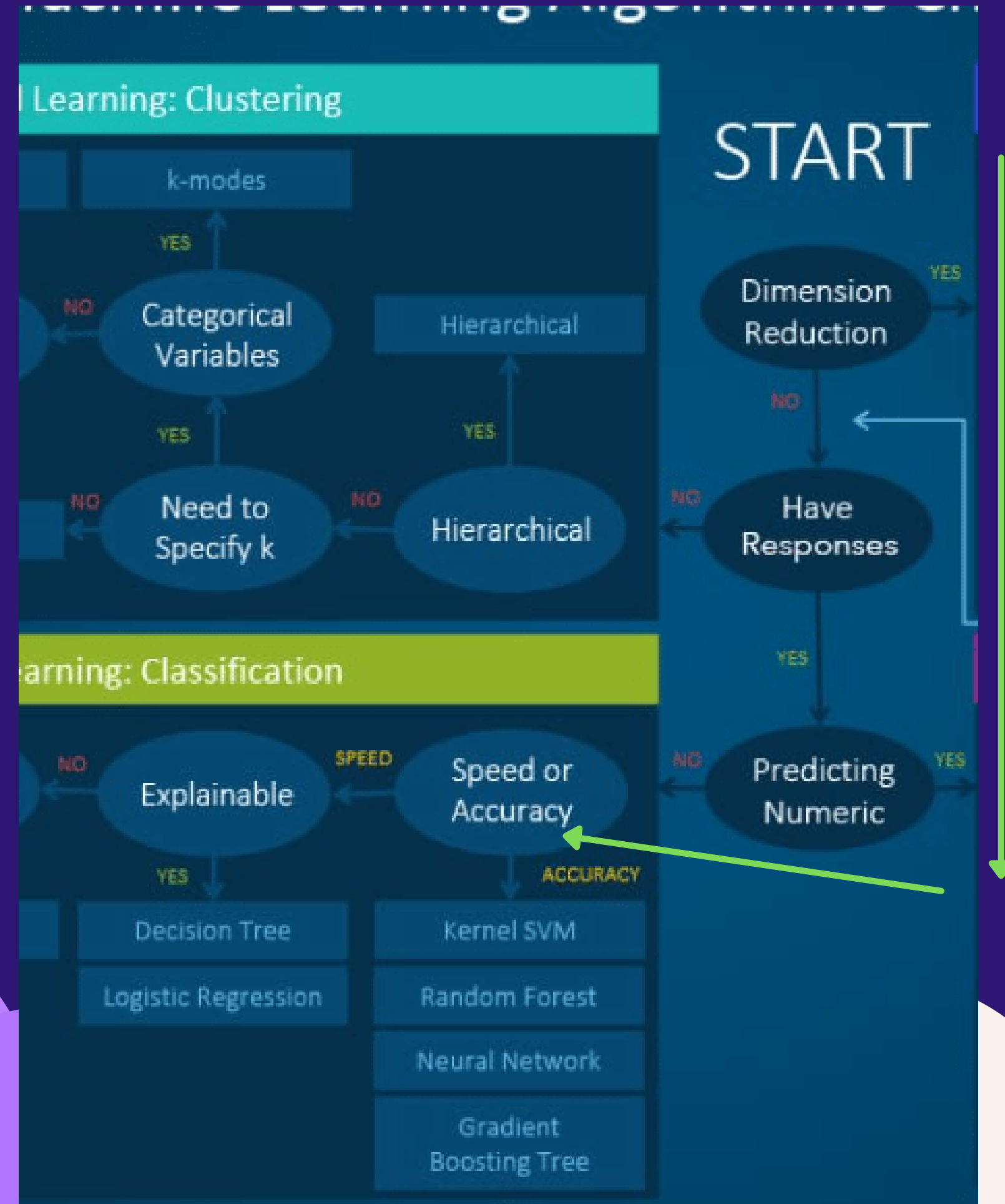
FEATURES & WEIGHTS

- Distance -3
- Price
- Transportation services
- Popularity
- Enjoyment
- Age
- Comapanion
- Season
- Timings
- Ads/Social media presence

1	features	weights	
2	distance (from person to place)	3	7.6923077
3	price	5	12.820513
4	transportation services	2	5.1282051
5	popularity	5	12.820513
6	enjoyment	3	7.6923077
7	age	6	15.384615
8	companion	4	10.25641
9	season	4	10.25641
10	timings	4	10.25641
11	ads / social media presence	3	7.6923077
12		39	100

MODEL SELECTION

**we used SVM after
cancelling other options**



DATA SET

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	placeID	xcordinate	ycordinate	price_per_person	transporta	popularity	enjoyment	age	gender	companion	timing_sta	timing_end	social_me	out	class			
2	694	3807	7861	8	7	7	8	46	1	6	13	15	2	26	0			
3	662	5291	2872	7	6	1	1	39	0	4	8	13	5	16	0			
4	400	7067	5989	9	4	8	3	72	1	3	14	18	0	25	0			
5	654	2403	4827	4	6	8	9	36	1	7	14	18	9	27	0			
6	537	5078	9768	8	3	7	2	36	0	9	12	15	9	23	0			
7	822	8408	8926	1	10	3	0	40	1	9	17	19	7	23	0			
8	329	2511	54	1	8	5	7	68	0	8	7	8	4	19	0			
9	863	2471	2887	2	8	6	3	73	0	6	14	19	8	23	0			
10	373	3307	1844	3	1	4	8	38	0	0	1	5	7	12	0			
11	690	201	3940	5	6	1	1	39	0	8	7	9	4	15	0			
12	184	1404	6345	7	5	5	10	27	1	1	8	9	7	21	0			
13	840	1486	8862	5	7	7	9	60	0	0	3	8	0	16	0			
14	799	2333	4835	5	7	2	0	45	1	6	17	22	5	23	0			
15	972	2929	2213	4	3	2	0	51	0	8	1	3	10	15	0			
16	12	4915	2428	4	7	6	10	65	0	2	13	16	6	22	0			
17	858	9264	3502	8	9	7	3	79	0	2	7	10	3	21	0			
18	178	4115	821	3	7	5	7	82	1	2	1	6	1	19	0			
19	409	3423	1993	6	10	9	7	77	0	2	18	23	8	28	0			
20	119	5361	83	9	9	5	3	69	0	3	2	3	3	18	0			
21	598	5768	3143	2	3	6	2	56	0	2	16	18	5	18	0			
22	13	5525	3870	3	6	7	10	43	0	8	7	11	2	20	0			
23	432	1313	2571	7	5	6	1	75	0	1	4	8	6	17	0			
24	258	6697	1413	9	2	8	3	50	1	5	6	11	6	24	0			
25	104	7517	6997	9	9	2	3	55	0	1	16	20	5	20	0			
26	392	6610	7993	1	1	1	4	64	0	5	5	10	6	14	0			
27	393	5335	1936	9	8	3	2	51	1	1	2	8	10	23	0			

CODE

```
7
8 import pandas as pd
9 from sklearn.svm import SVC # "Support Vector Classifier"
10 points=["charminar","museum","amusement park ","sports arena","mall","golconda fort","beach","snow world","cafe"]
11 def get_possible_place(file,impacts,outcome,inps):
12     data = pd.read_csv(file)
13     X = data[impacts]
14     Y = data[outcome]
15     Y=Y.round()
16     clf = SVC(kernel='linear')
17     clf.fit(X,Y)
18     nx = [inps]
19     pred = clf.predict(nx)
20     return pred
21
22
23 xcoordinate=int(input("xcoordinate : "))
24 ycoordinate=int(input("ycoordinate : "))
25 price_per_person = int(input("enter budget : "))
26 transportation_services = int(input("enter transportation services"))
27 popularity =int(input("enter popularity scale"))
28 enjoyment = int(input("enjoyment :"))
29 age = int (input("age : "))
30 gender =int(input("gender : "))
31 companion = int(input("comparision : "))
32 timing_start=int(input("start_time : "))
33 timing_end=int(input("end time : "))
34 social_media_presence = int(input("enter social media presence : "))
35 print("-----")
36 for i in range(1,10):
37     p = get_possible_place('data.csv',['placeID','xcoordinate','ycoordinate','price_per_person','transportation_
38     if(p[0]==0):
39         print("check out place ",points[i]," you may like it")
40
41
```

OUTPUT

```
In [1]: runfile('C:/Users/jashwanth/.spyder-py3/test.py', wdir='C:/Users/jashwanth/.spyder-py3')
```

```
xcoordinate : 500
```

```
ycoordinate : 150
```

```
enter budget : 8
```

```
enter transportation services2
```

```
enter popularity scale5
```

```
enjoyment :10
```

```
age : 21
```

```
gender : 1
```

```
comparision : 2
```

```
start_time : 14
```

```
end time : 18
```

```
enter social media presence : 3
```

```
-----  
check out place museum you may like it  
check out place amusement park you may like it  
check out place sports arena you may like it  
check out place mall you may like it
```

LEARNING OUTCOMES

- vastness of data
- real power of complexity

Thank you