

Project – MARKET ANALYSIS

1)

age	balance	campaign	contact	day	default	duration	education	housing	job	loan	marital	month	pdays	poutcome	previous	y
58	2143	1	unknown	5	no	261	tertiary	yes	management	no	married	may	-1	unknown	0	no
44	29	1	unknown	5	no	151	secondary	yes	technician	no	single	may	-1	unknown	0	no
33	2	1	unknown	5	no	76	secondary	yes	entrepreneur	yes	married	may	-1	unknown	0	no
47	1506	1	unknown	5	no	92	unknown	yes	blue-collar	no	married	may	-1	unknown	0	no
33	1	1	unknown	5	no	198	unknown	no	unknown	no	single	may	-1	unknown	0	no
35	231	1	unknown	5	no	139	tertiary	yes	management	no	married	may	-1	unknown	0	no
28	447	1	unknown	5	no	217	tertiary	yes	management	yes	single	may	-1	unknown	0	no
42	2	1	unknown	5	yes	380	tertiary	yes	entrepreneur	no	divorced	may	-1	unknown	0	no
58	121	1	unknown	5	no	50	primary	yes	retired	no	married	may	-1	unknown	0	no
43	593	1	unknown	5	no	55	secondary	yes	technician	no	single	may	-1	unknown	0	no
41	270	1	unknown	5	no	222	secondary	yes	admin.	no	divorced	may	-1	unknown	0	no
29	390	1	unknown	5	no	137	secondary	yes	admin.	no	single	may	-1	unknown	0	no
53	6	1	unknown	5	no	517	secondary	yes	technician	no	married	may	-1	unknown	0	no
58	71	1	unknown	5	no	71	unknown	yes	technician	no	married	may	-1	unknown	0	no
57	162	1	unknown	5	no	174	secondary	yes	services	no	married	may	-1	unknown	0	no
51	229	1	unknown	5	no	353	primary	yes	retired	no	married	may	-1	unknown	0	no
45	13	1	unknown	5	no	98	unknown	yes	admin.	no	single	may	-1	unknown	0	no
57	52	1	unknown	5	no	38	primary	yes	blue-collar	no	married	may	-1	unknown	0	no
60	60	1	unknown	5	no	219	primary	yes	retired	no	married	may	-1	unknown	0	no
33	0	1	unknown	5	no	54	secondary	yes	services	no	married	may	-1	unknown	0	no

2)

```
+-----+
| success_rate |
+-----+
| 11.698480458295547 |
+-----+
```

2.a)

```
+-----+
| failure_rate |
+-----+
| 88.30151954170445 |
+-----+
```

3)

```
+-----+
| max(age) |
+-----+
| 95 |
+-----+
```

```
+-----+
| min(age) |
+-----+
| 18 |
+-----+
```

```
+-----+
|      avg(age) |
+-----+
| 40.93621021432837 |
+-----+
```

4)

```
+-----+
|      avg(age) |
+-----+
| 40.93621021432837 |
+-----+
```

```
+-----+
| median |
+-----+
|    448 |
+-----+
```

5)

```
+---+-----+
| age | number |
+---+-----+
| 32 | 221 |
| 30 | 217 |
| 33 | 210 |
| 35 | 209 |
| 31 | 206 |
| 34 | 198 |
| 36 | 195 |
| 29 | 171 |
| 37 | 170 |
| 28 | 162 |
| 38 | 144 |
| 39 | 143 |
| 27 | 141 |
| 26 | 134 |
| 41 | 120 |
| 46 | 118 |
| 40 | 116 |
| 25 | 113 |
| 47 | 113 |
| 42 | 111 |
+---+-----+
```

6)

marital	number
married	2755
single	1912
divorced	622

7)

age	marital	number
30	single	151
28	single	138
29	single	133
32	single	124
26	single	121
34	married	118
31	single	111
27	single	110
35	married	101
36	married	100
25	single	99
37	married	98
33	single	97
33	married	97
32	married	87
39	married	87
38	married	86
35	single	84
47	married	83
31	married	80

8)

	age	balance	campaign	contact	day	default	duration	education	housing	job	loan	marital	month	pdays	poutcome	previous	y
	old	2143	1	unknown	5	no	261	tertiary	yes	management	no	married	may	-1	unknown	0	no
Middle Aged	29		1	unknown	5	no	151	secondary	yes	technician	no	single	may	-1	unknown	0	no
old	2		1	unknown	5	no	76	secondary	yes	entrepreneur	yes	married	may	-1	unknown	0	no
Middle Aged	1506		1	unknown	5	no	92	unknown	yes	blue-collar	no	married	may	-1	unknown	0	no
old	1		1	unknown	5	no	198	unknown	no	unknown	no	single	may	-1	unknown	0	no
Middle Aged	231		1	unknown	5	no	139	tertiary	yes	management	no	married	may	-1	unknown	0	no
Young	447		1	unknown	5	no	217	tertiary	yes	management	yes	single	may	-1	unknown	0	no
Middle Aged	2		1	unknown	5	yes	380	tertiary	yes	entrepreneur	no	divorced	may	-1	unknown	0	no
old	121		1	unknown	5	no	50	primary	yes	retired	no	married	may	-1	unknown	0	no
Middle Aged	593		1	unknown	5	no	55	secondary	yes	technician	no	single	may	-1	unknown	0	no
Middle Aged	270		1	unknown	5	no	222	secondary	yes	admin.	no	divorced	may	-1	unknown	0	no
Young	390		1	unknown	5	no	137	secondary	yes	admin.	no	single	may	-1	unknown	0	no
Middle Aged	6		1	unknown	5	no	517	secondary	yes	technician	no	married	may	-1	unknown	0	no
old	71		1	unknown	5	no	71	unknown	yes	technician	no	married	may	-1	unknown	0	no
old	162		1	unknown	5	no	174	secondary	yes	services	no	married	may	-1	unknown	0	no
Middle Aged	229		1	unknown	5	no	353	primary	yes	retired	no	married	may	-1	unknown	0	no
Middle Aged	13		1	unknown	5	no	98	unknown	yes	admin.	no	single	may	-1	unknown	0	no
old	52		1	unknown	5	no	38	primary	yes	blue-collar	no	married	may	-1	unknown	0	no
old	60		1	unknown	5	no	219	primary	yes	retired	no	married	may	-1	unknown	0	no
old	0		1	unknown	5	no	54	secondary	yes	services	no	married	may	-1	unknown	0	no

age		number
Middle Aged		2601
Young		1539
old		1131
Teen		18

Final o/p

age		ageIndex
old		2.0
Middle Aged		0.0
old		2.0
Middle Aged		0.0
old		2.0