

```
<class 'pandas.core.frame.DataFrame'>
```

```
RangeIndex: 32581 entries, 0 to 32580
```

```
Data columns (total 12 columns):
```

#	Column	Non-Null Count	Dtype
0	person_age	32581 non-null	int64
1	person_income	32581 non-null	int64
2	person_home_ownership	32581 non-null	object
3	person_emp_length	31686 non-null	float64
4	loan_intent	32581 non-null	object
5	loan_grade	32581 non-null	object
6	loan_amnt	32581 non-null	int64
7	loan_int_rate	29465 non-null	float64
8	loan_status	32581 non-null	int64
9	loan_percent_income	32581 non-null	float64
10	cb_person_default_on_file	32581 non-null	object
11	cb_person_cred_hist_length	32581 non-null	int64

```
dtypes: float64(3), int64(5), object(4)
```

```
memory usage: 3.0+ MB
```

```
None
```

	person_age	person_income	person_home_ownership	person_emp_length	\
0	22	59000	RENT	123.0	
1	21	9600	OWN	5.0	
2	25	9600	MORTGAGE	1.0	
3	23	65500	RENT	4.0	
4	24	54400	RENT	8.0	

	loan_intent	loan_grade	loan_amnt	loan_int_rate	loan_status \
0	PERSONAL	D	35000	16.02	1
1	EDUCATION	B	1000	11.14	0
2	MEDICAL	C	5500	12.87	1
3	MEDICAL	C	35000	15.23	1
4	MEDICAL	C	35000	14.27	1

	loan_percent_income	cb_person_default_on_file	cb_person_cred_hist_length
0	0.59	Y	3
1	0.10	N	2
2	0.57	N	3
3	0.53	N	2
4	0.55	Y	4

Logistic Regression Performance:

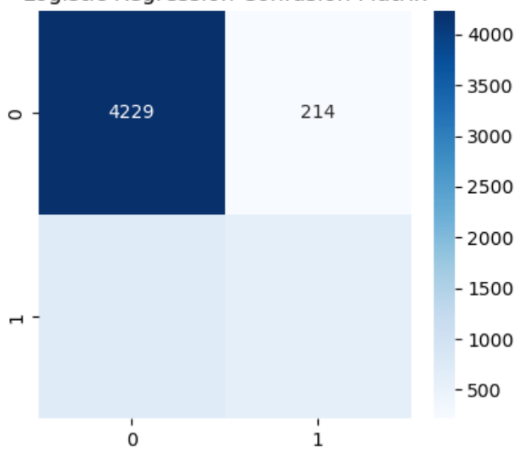
	precision	recall	f1-score	support
0	0.86	0.95	0.90	4443
1	0.73	0.45	0.56	1285
accuracy			0.84	5728
macro avg	0.79	0.70	0.73	5728
weighted avg	0.83	0.84	0.82	5728

Accuracy: 0.8392108938547486

accuracy			0.93	5728
macro avg	0.95	0.85	0.89	5728
weighted avg	0.93	0.93	0.93	5728

Accuracy: 0.9294692737430168

Logistic Regression Confusion Matrix



Random Forest Confusion Matrix

