

Sentiment Polarity

Data Visualisation

Yelp Business Data Frame

	business_id	state	category
0	PfOCPjBrlQAnz__NXj9h_w	OH	American
1	fNMVV_ZX7CJSDWQGdOM8Nw	NC	American
2	gAy4LYpsScrj8POnCW6btQ	SC	American
3	tRVx2c89coruPRwYhGTcTw	OH	Japanese
4	BnuzcebyB1AfxH0kjNWqSg	PA	Italian
5	Pd52CjgyEU3Rb8co6QfTPw	NV	American
6	n7V4cD-KqqE3OXk0irJTyA	NV	American
7	B5EZIEDH6AVDk8tQGHAGqg	WI	American
8	F0fEKpTk7gAmuSFI0KW1eQ	NV	Italian
9	VdIPZg2NAu8t8GkdbPLecg	AZ	Indian

```

DF Shape (19156, 3)
Duplicate Values 0
business_id    object
state          object
category       object
dtype: object
Null Values business_id 0
state                0
category            0

```

Yelp Review Data Frame

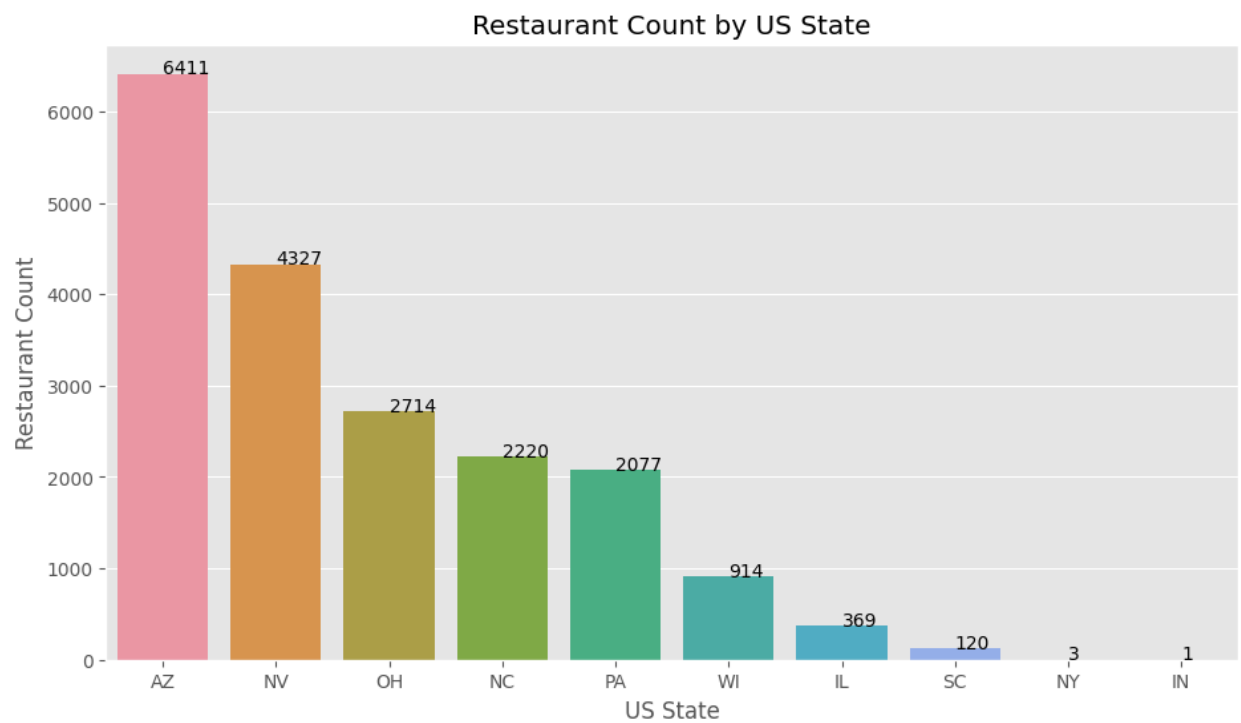
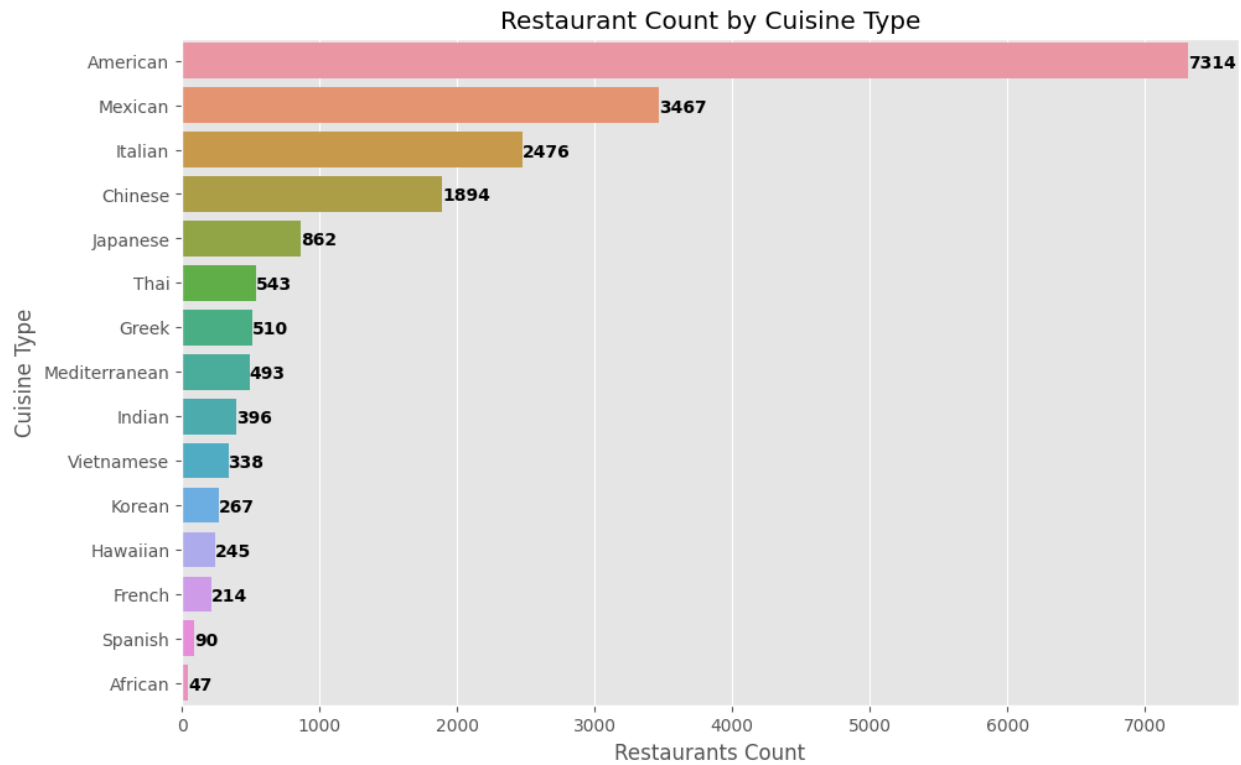
	review_id	business_id	stars	text
0	vkVSCC7xljirAI4UGfnKEQ	AEx2SYEUJmTxVVB18LICwA	5	Super simple place but amazing nonetheless. It...
1	n6QzIUObkYshz4dz2QRJTw	VR6GpWlIda3SfvPC-lg9H3w	5	Small unassuming place that changes their menu...
2	MV3CcKScW05u5LVfF6ok0g	CKC0-MOWMqoeWf6s-szl8g	5	Lester's is located in a beautiful neighborhoo...
3	IXvOzsEMYtiJI0CARmj77Q	ACFtxLv8pGrrxMm6EgjreA	4	Love coming here. Yes the place always needs t...
4	L_9BTb55X0GDtThi6GIZ6w	s2I_Ni76bjJNK9yG60iD-Q	4	Had their chocolate almond croissant and it wa...

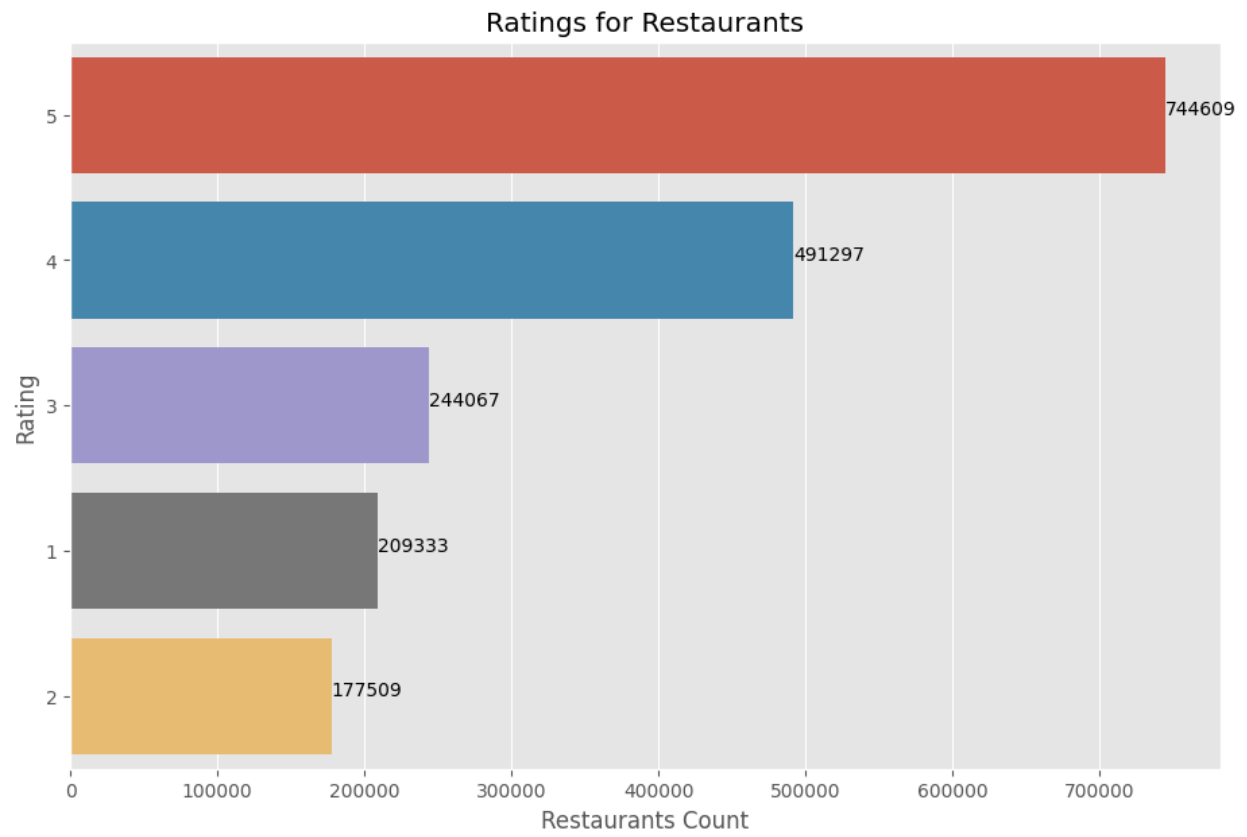
Null and duplicates

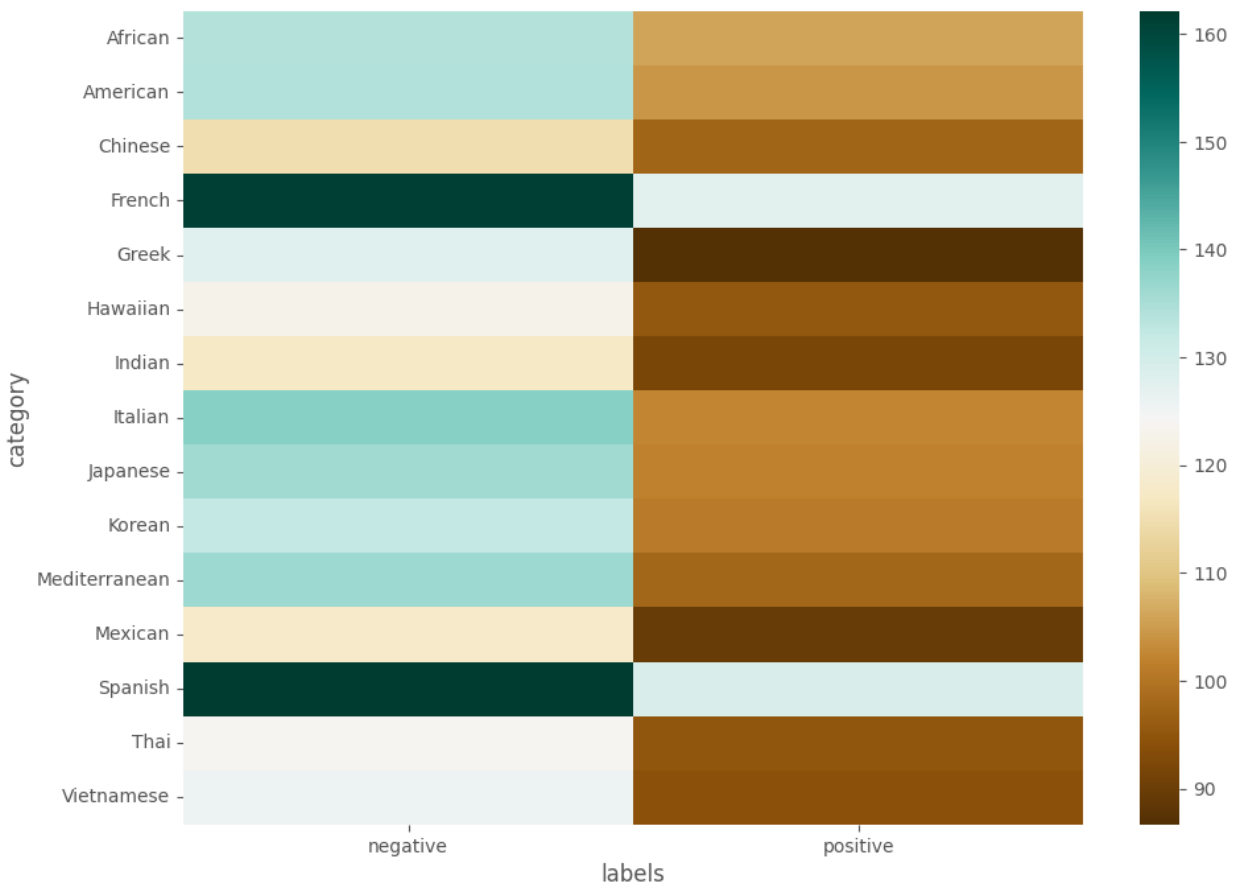
```

Null Values review_id 0
business_id    0
stars          0
text           0
dtype: int64
Duplicate Values 0

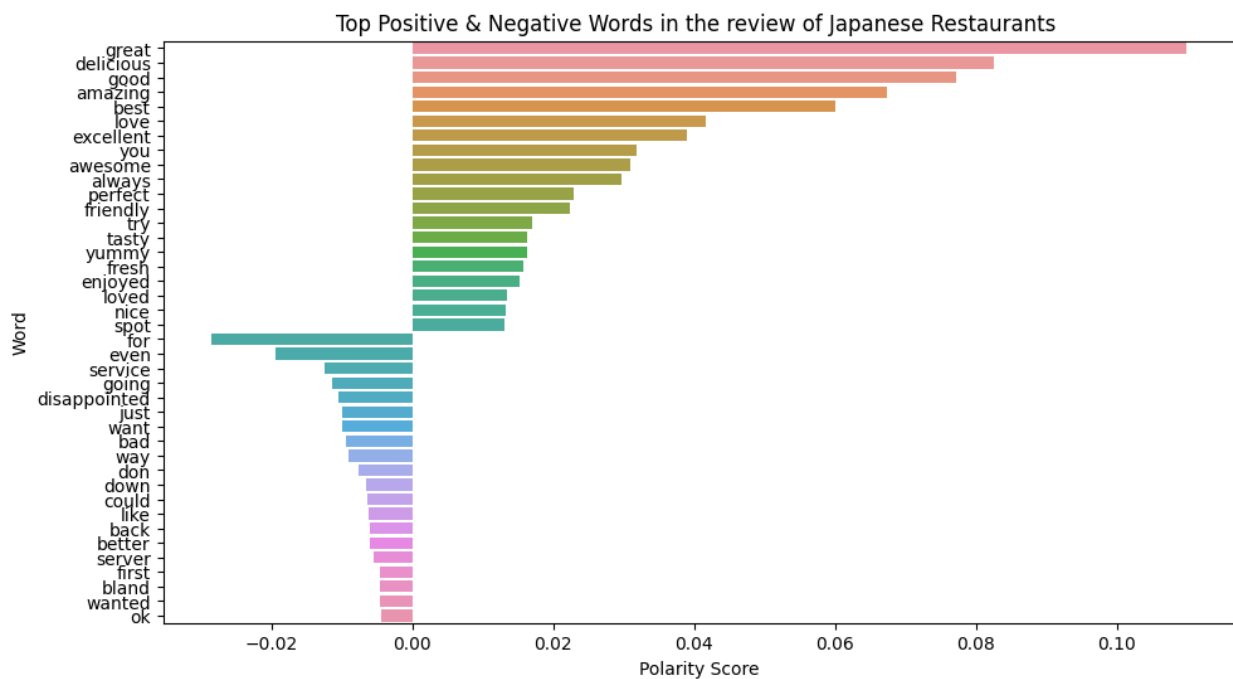
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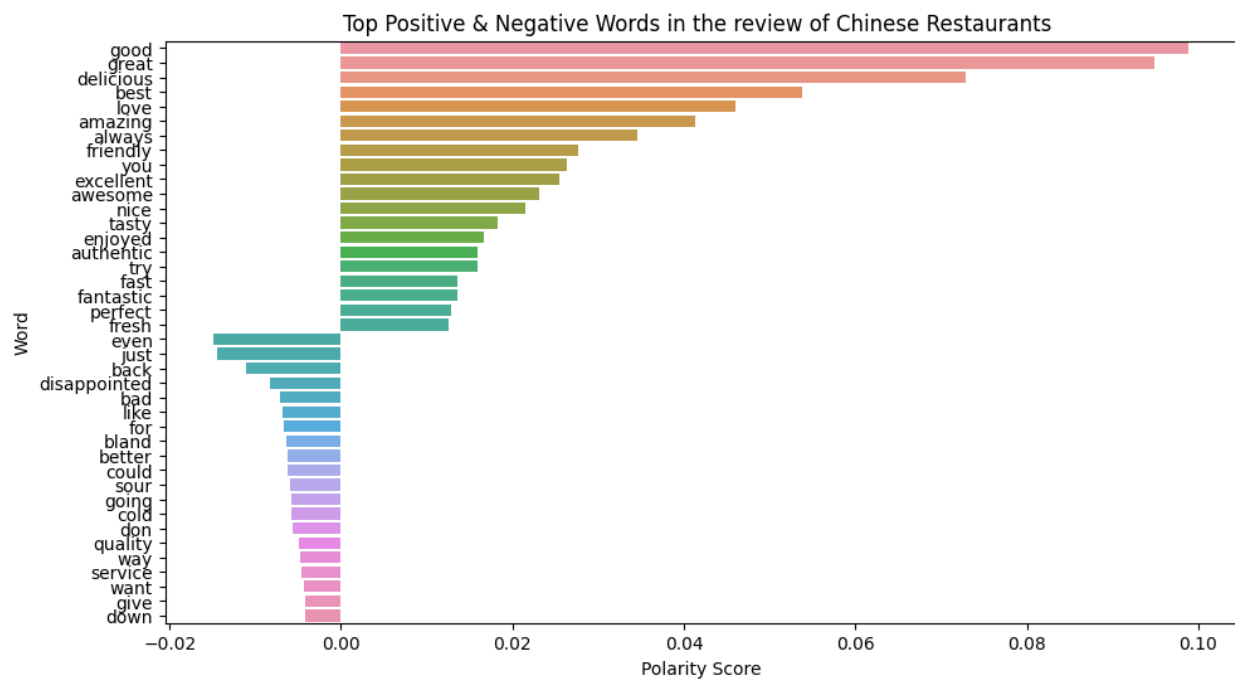
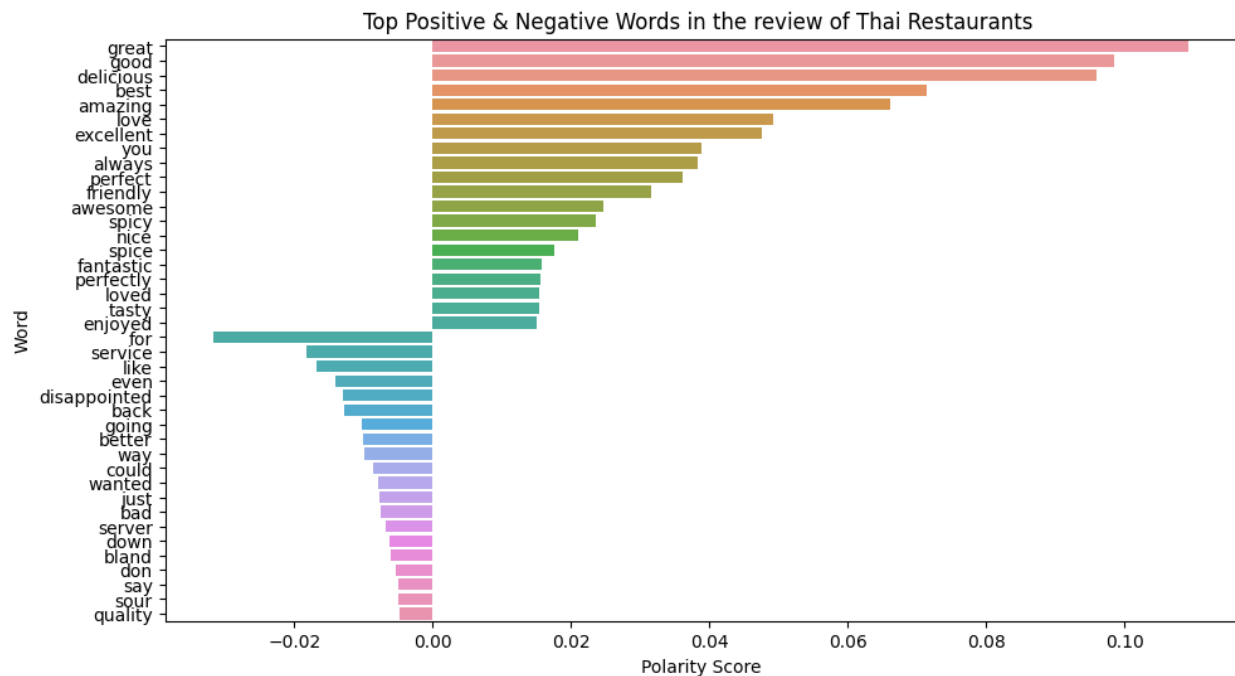


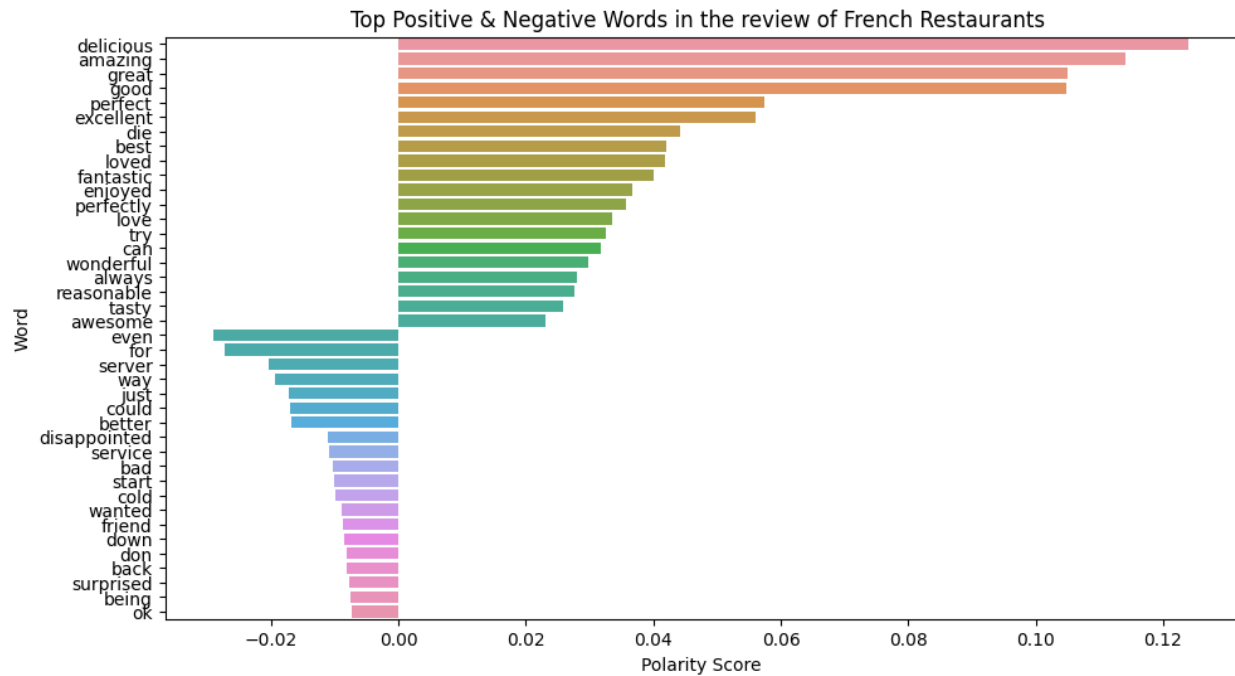


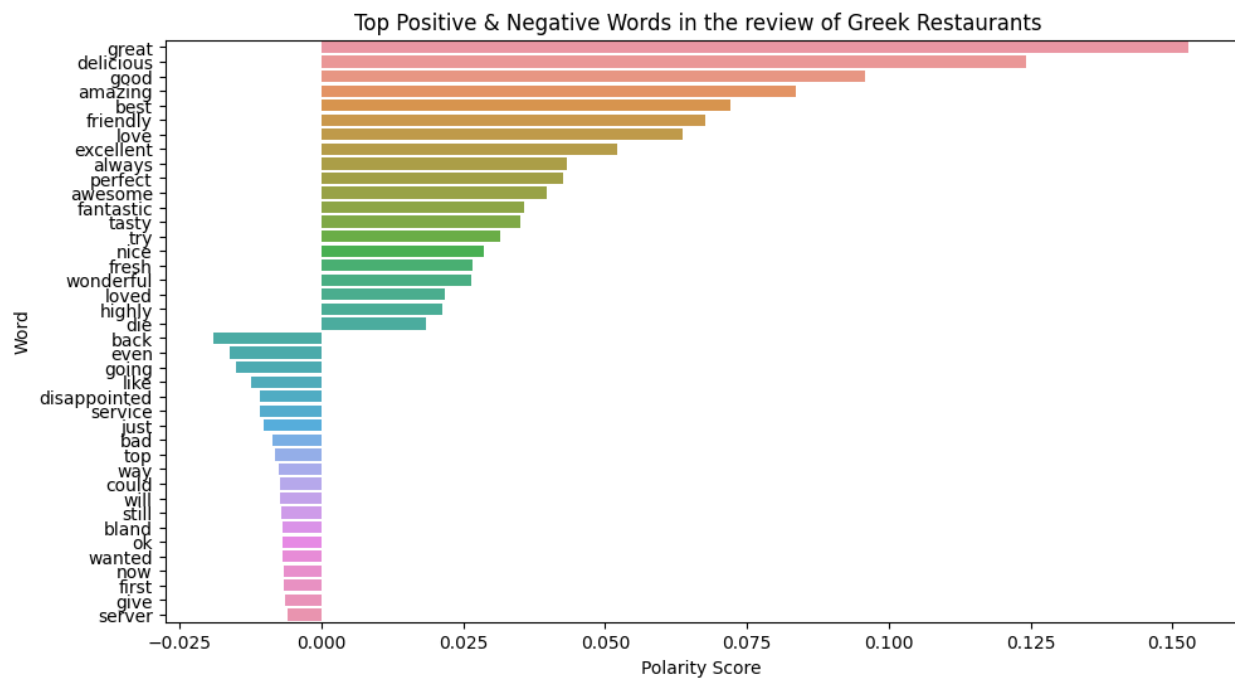
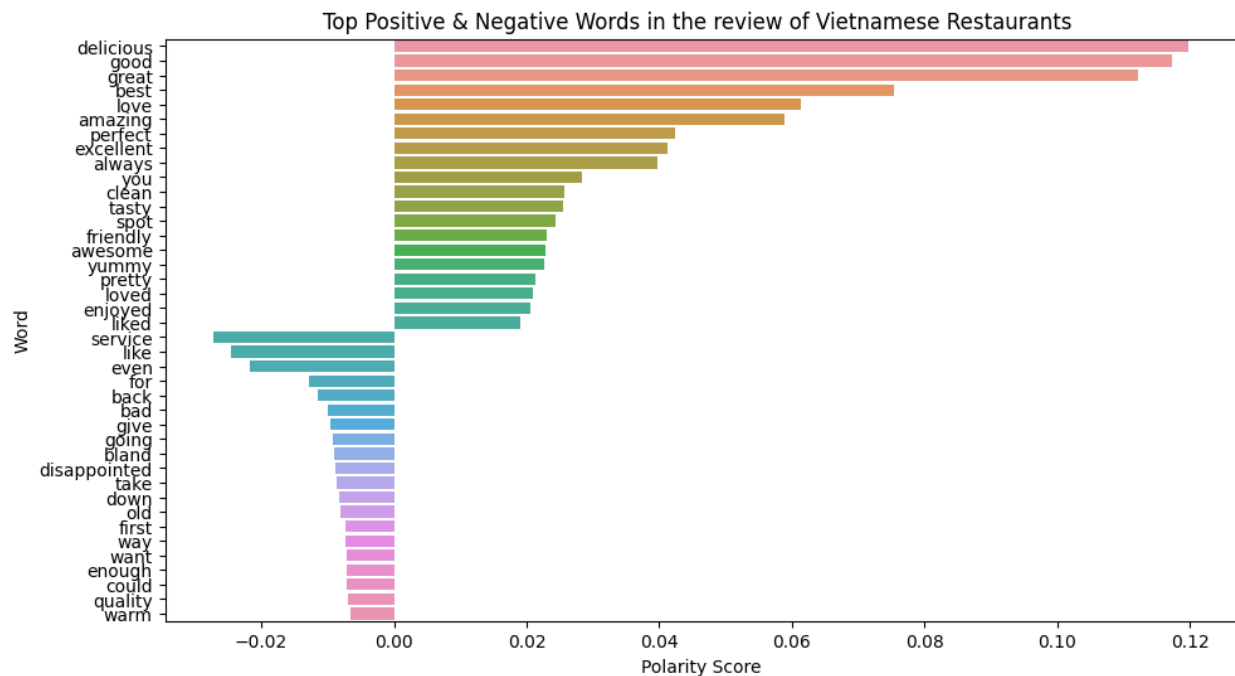


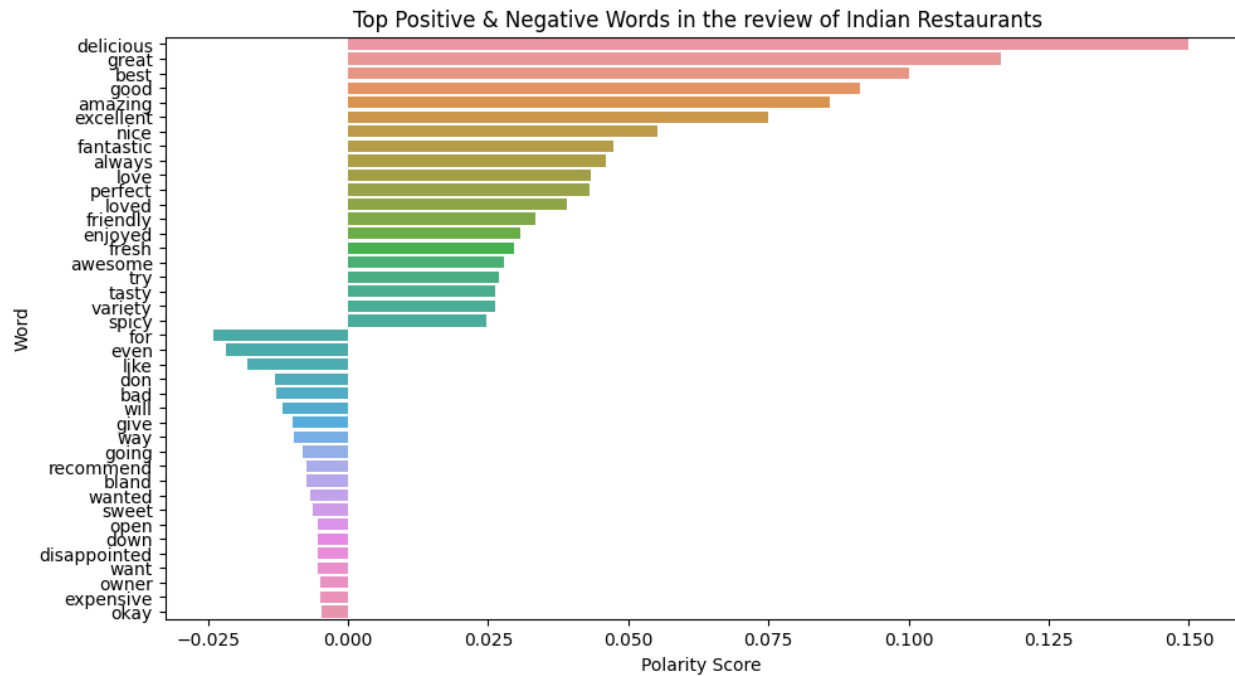
POLARITY RESULTS:











Top words per cuisine type

cuisine	0	1	2	3	4	5	6	7	8	9
Japanese	friendly	fresh	recommend	fun	reasonable	creative	clean	variety	attentive	tasty
Chinese	friendly	fresh	authentic	reasonable	hot	fun	fast	tender	recommend	yummy
Vietnamese	friendly	fresh	recommend	reasonable	variety	attentive	fast	comfortable	yummy	authentic
Thai	want	fresh	clean	fast	recommend	reasonable	tender	fancy	refreshing	generous
French	sweet	tender	impeccable	recommend	rich	attentive	romantic	perfection	incredible	friendly
cuisine	0	1	2	3	4	5	6	7	8	
Japanese	hard	cold	wrong	slow	bland	dark	expensive	rude	overpriced	
Chinese	sour	bland	cold	greasy	hard	slow	wrong	rude	overpriced	
Vietnamese	bland	greasy	expensive	weird	wrong	slow	hard	cold	sour	
Thai	bland	wrong	hard	slow	expensive	rude	greasy	dirty	weird	
French	cold	expensive	slow	bland	overpriced	mediocre	wrong	poor	squash	