





# Revolutionizing customer support with an

# intelligent chatbot for automated assistance

#### **Source Code for Data modelling:**

# For Intent Classification, Category Classification, Response Generation (using TF-IDF and cosine similarity).

#### **Program:**

```
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.pipeline import Pipeline
from sklearn.naive_bayes import MultinomialNB
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import classification_report
from sklearn.metrics.pairwise import cosine_similarity
import numpy as np
# Load dataset
df = pd.read_csv("/content/Training data.csv")
# Split data
X = df['instruction']
y_intent = df['intent']
y_category = df['category']
y_response = df['response']
# Drop rows with missing values in 'intent' column before splitting
df.dropna(subset=['intent'], inplace=True)
```

# Update X and y variables after dropping NaN values







```
X = df['instruction']
y_intent = df['intent']
y_category = df['category']
y_response = df['response']
# Train/Test Split
X_train_intent, X_test_intent, y_train_intent, y_test_intent =
 train_test_split(X, y_intent, test_size=0.2, random_state=42)
X_train_cat, X_test_cat, y_train_cat, y_test_cat = train_test_split(X,
 y_category, test_size=0.2, random_state=42)
# -----
# 1. Intent Classification
# -----
intent_pipeline = Pipeline([
  ('tfidf', TfidfVectorizer()),
  ('clf', MultinomialNB())
1)
intent_pipeline.fit(X_train_intent, y_train_intent)
intent_preds = intent_pipeline.predict(X_test_intent)
print("=== Intent Classification Report ===")
print(classification_report(y_test_intent, intent_preds))
# -----
# 2. Category Classification
# -----
category_pipeline = Pipeline([
  ('tfidf', TfidfVectorizer()),
  ('clf', LogisticRegression(max_iter=200))
1)
category_pipeline.fit(X_train_cat, y_train_cat)
category_preds = category_pipeline.predict(X_test_cat)
```







```
print("=== Category Classification Report ===")
print(classification_report(y_test_cat, category_preds))
# 3. Response Generation using TF-IDF + Cosine Similarity
# Fit vectorizer on full dataset
vectorizer = TfidfVectorizer()
instruction_tfidf = vectorizer.fit_transform(df['instruction'])
response_texts = df['response'].tolist()
def generate_response(user_input):
  input_vec = vectorizer.transform([user_input])
  similarity_scores = cosine_similarity(input_vec, instruction_tfidf)
  best_match_idx = np.argmax(similarity_scores)
  return response_texts[best_match_idx]
# Example use:
print("\n=== Response Generation Examples ===")
examples = [
  "how can i cancel my order",
  "i want to change my delivery address",
  "please delete my account",
  "what is the refund policy",
  "talk to a human agent"
for e in examples:
  print(f"\nInstruction: {e}\nResponse: {generate_response(e)}")
Output:
=== Intent Classification Report ===
                precision recall f1-score support
```







cancel_order	0.98	1.00	0.99	194		
change_order	1.00	0.97	0.99	178		
change_shipping_addr	ress	0.98	0.99 (	<b>).98</b> 1	197	
check_cancellation_fe	ee 1.	00 1.	00 1.0	00 18	35	
check_invoice	1.00	0.96	0.98	208		
check_payment_metl	nods	1.00	1.00	1.00	202	
check_refund_polic	y 0.9	96 1.0	0.9	98 21	1	
complaint	1.00	1.00	1.00	212		
contact_customer_serv	ice 1	1.00	1.00	.00 2	229	
contact_human_age	nt 1.	.00 0.	.98 0.	99 21	13	
create_account	1.00	0.99	0.99	205		
delete_account	0.98	1.00	0.99	192		
delivery_options	0.99	1.00	0.99	203		
delivery_period	delivery_period 0.99			185		
edit_account	1.00	0.99	1.00	186		
get_invoice	0.93	1.00	0.97	182		
get_refund	1.00	0.28	0.43	18		
accuracy		0.9	9 320	0		
macro avg	0.99	0.95	0.96	3200		
weighted avg	0.99	0.99	0.99	3200		

=== Category Classification Report ===
precision recall f1-score support

ACCOUNT	1.00	1.00	1.00	583
CANCEL	0.99	1.00	1.00	185
CONTACT	1.00	1.00	1.00	442
DELIVERY	0.99	1.00	1.00	388
FEEDBACK	1.00	1.00	1.00	212
INVOICE	1.00	1.00	1.00	390
ORDER	1.00	1.00	1.00	372
<b>PAYMENT</b>	1.00	1.00	1.00	202







REFUND	1.00	1.00	1.00	229
SHIPPING	1.00	0.98	0.99	197

accuracy	1.00 3200							
macro avg	1.00	1.00	1.00	3200				
weighted avg	1.00	1.00	1.00	3200				

=== Response Generation Examples ===

Instruction: how can i cancel my order

Response: I'm fully aware of your need to cancel your order with the order number {{Order Number}}. To assist you, please follow these simple steps:

- 1. Sign in to Your Account: Access our platform by signing in to your {{Online Company Portal Info}}.
- 2. Go to Your Orders: Once you're signed in, navigate to the '{{Online Order Interaction}}' or '{{Online Order Interaction}}' section.
- 3. Locate Your Order: Look for the order with the number {{Order Number}} and click on it for more details.
- 4. Initiate the Cancellation: Within the order details, you should see a '{{Online Order Interaction}}' option. Please select it.
- 5. Complete the Process: Answer any questions or provide feedback, if prompted, to complete the cancellation.

If you encounter any difficulties or require further assistance, our dedicated team is available during {{Customer Support Hours}}. You can reach us at {{Customer Support Phone Number}} or via the Live Chat feature on our {{Website URL}}. We are committed to making this cancellation process as smooth as possible for you.

Instruction: i want to change my delivery address

Response: I'll do my best! We can assist you in updating your delivery address. To proceed, please provide us with your current address and the new address you would like to change it to.







Instruction: please delete my account

Response: Happy to get your message about deleting your account. I understand that you've made the decision to close your account, and I'm here to help you through the process. To ensure the security of your information, I kindly ask you to provide some additional details or verify your identity so that we can proceed with the account deletion. Once we have completed the necessary steps, your account will be permanently deleted. Please let me know how I can assist you further.

Instruction: what is the refund policy

Response: Indeed! I'm here to provide you with the information you need regarding our refund policy. At our company, we strive to ensure that our customers have a seamless and satisfactory shopping experience. As such, we have a comprehensive refund policy in place to address various situations. Here are the key points of our refund policy:

- 1. \*\*Product/Service Defect:\*\* If you receive a defective product or experience issues with the service you have purchased, we are more than happy to offer you a refund or replacement, depending on the circumstances.
- 2. \*\*Cancellation within Grace Period:\*\* Should you change your mind about a purchase shortly after making it and wish to cancel within the stated grace period, you may be eligible for a refund. However, please note that some products or services may have specific terms and conditions regarding cancellations, so we recommend reviewing the details in such cases.
- 3. \*\*Unauthorized Charges:\*\* If you notice any unauthorized charges on your account related to purchases from our company, please report them to us immediately. We will investigate the matter thoroughly and provide a resolution, which may include issuing a refund if necessary.
- 4. \*\*Event Cancellation:\*\* If you have purchased tickets for an event that gets canceled and no rescheduled date is announced, our refund policy typically allows for a refund. We understand the disappointment of missing out on an anticipated event and aim to assist you in resolving any







difficulties.

- 5. \*\*Duplicate Charges:\*\* In the event that you are mistakenly charged multiple times for the same item or service, please reach out to us promptly. We will rectify the situation and issue a refund for the duplicate charges.
- 6. \*\*Non-receipt of Goods:\*\* If you haven't received your purchased item within the expected delivery timeframe, please let us know. We will investigate the matter and work towards a resolution, which may involve issuing a refund if appropriate.

Remember, the specifics of our refund policy may vary depending on the product, service, or vendor. Therefore, we always recommend reviewing the terms and conditions related to your specific purchase or contacting our customer support team for personalized assistance.

If you have any further questions or require clarification on any aspect of our refund policy, please don't hesitate to ask.

Instruction: talk to a human agent

Response: Grateful for your contact! I get the sense that you're in need of speaking with a human agent. Rest assured, I'm here to assist you. To connect with a human representative, please follow these steps:

- 1. Visit our website at {{Website URL}}.
- 2. Navigate to the 'Contact Us' page.
- 3. Look for a live chat option, toll-free number, or an option to request a callback.
- 4. Click on the live chat option to chat directly with an agent.
- 5. If a toll-free number is available, dial the number to speak with a representative.
- 6. If a call-back option is offered, enter your phone number and a representative will contact you as soon as possible.

I hope this helps! If you have any further questions or concerns, don't hesitate to let me know. We're here to make sure you receive the assistance you need.







#### **# Program For EDA:**

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.feature_extraction.text import CountVectorizer
# Load the dataset
df = pd.read_csv("Training data.csv")
# === 1. Basic Info ===
print("=== Data Overview ===")
print(df.info())
print("\n=== First 5 Rows ====")
print(df.head())
# === 2. Check Missing Values ===
print("\n=== Missing Values ===")
print(df.isnull().sum())
# Plot missing values
df.isnull().sum().plot(kind='bar', title='Missing Values per Column')
plt.tight_layout()
plt.show()
# === 3. Frequency of Categories and Intents ===
plt.figure(figsize=(10, 6))
sns.countplot(y='intent', data=df, order=df['intent'].value_counts().index)
plt.title("Intent Frequencies")
plt.xlabel("Count")
plt.ylabel("Intent")
```







```
plt.tight_layout()
plt.show()
plt.figure(figsize=(6, 4))
sns.countplot(x='category', data=df,
 order=df['category'].value_counts().index)
plt.title("Category Frequencies")
plt.xlabel("Category")
plt.ylabel("Count")
plt.tight_layout()
plt.show()
# === 4. Create Text Length Features ===
df['instruction_length'] = df['instruction'].str.len()
df['instruction_word_count'] = df['instruction'].str.split().apply(len)
df['response length'] = df['response'].str.len()
df['response_word_count'] = df['response'].str.split().apply(len)
# === 5. Descriptive Stats of Text Features ===
print("\n=== Text Feature Statistics ===")
print(df[['instruction_length', 'instruction_word_count', 'response_length',
  'response_word_count']].describe())
# Plot distribution of instruction word count
plt.figure(figsize=(8, 4))
sns.histplot(df['instruction_word_count'], bins=20, kde=True)
plt.title("Instruction Word Count Distribution")
plt.xlabel("Words")
plt.ylabel("Frequency")
plt.tight_layout()
plt.show()
# === 6. Correlation Matrix ===
```







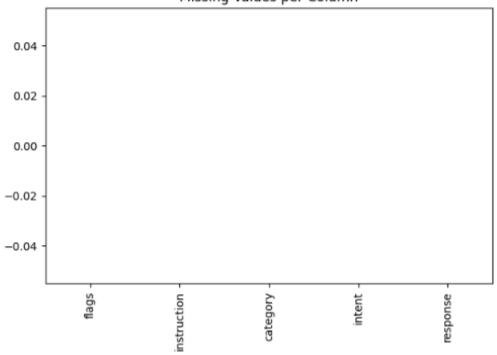
```
numeric_cols = ['instruction_length', 'instruction_word_count',
  'response_length', 'response_word_count']
corr = df[numeric cols].corr()
plt.figure(figsize=(6, 5))
sns.heatmap(corr, annot=True, cmap='coolwarm', fmt=".2f", linewidths=0.5)
plt.title("Correlation Matrix")
plt.tight_layout()
plt.show()
# === 7. Word Frequency in Instructions ===
vectorizer = CountVectorizer(stop_words='english', max_features=20)
X = vectorizer.fit_transform(df['instruction'])
word_counts = X.toarray().sum(axis=0)
top_words = pd.DataFrame({
  'word': vectorizer.get_feature_names_out(),
  'count': word_counts
}).sort_values(by='count', ascending=False)
print("\n=== Top 20 Words in Instructions ===")
print(top_words.to_string(index=False))
# Plot top words
plt.figure(figsize=(8, 5))
sns.barplot(y='word', x='count', data=top_words)
plt.title("Top 20 Words in Instructions")
plt.xlabel("Frequency")
plt.ylabel("Word")
plt.tight_layout()
plt.show()
```







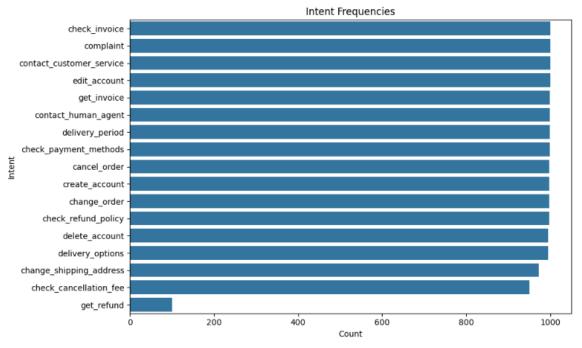
```
=== Data Overview ===
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 15999 entries, 0 to 15998
Data columns (total 5 columns):
# Column
               Non-Null Count Dtype
--- -----
                -----
0 flags
               15999 non-null object
 1 instruction 15999 non-null object
 2 category 15999 non-null object
 3 intent
               15999 non-null object
4 response
                15999 non-null object
dtypes: object(5)
memory usage: 625.1+ KB
None
=== First 5 Rows ===
  flags
                                             instruction category \
0
         question about cancelling order {{Order Number}}
1
    BQZ i have a question about cancelling oorder {{Or...
  BLQZ
         i need help cancelling puchase {{Order Number}}
                                                           ORDER
           I need to cancel purchase {{Order Number}}
   BL
                                                           ORDER
4 BCELN I cannot afford this order, cancel purchase {{...
                                                           ORDER
        intent
0 cancel_order I've understood you have a question regarding \dots
1 cancel_order I've been informed that you have a question ab...
2 cancel_order I can sense that you're seeking assistance wit...
3 cancel_order I understood that you need assistance with can...
4 cancel_order I'm sensitive to the fact that you're facing f...
=== Missing Values ===
flags
instruction
category
intent
response
dtype: int64
                            Missing Values per Column
```

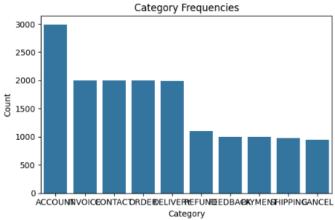










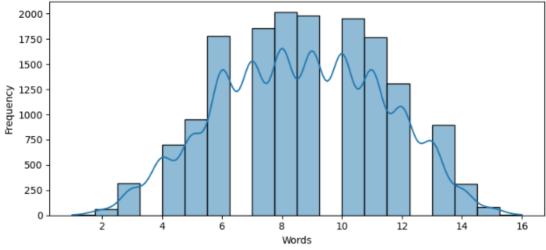


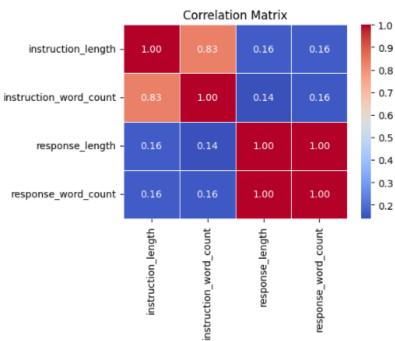
in	struction_length	instruction_word_count	response_length	1
count	15999.000000	15999.000000	15999.000000	
mean	46.778674	8.643790	633.797050	
std	10.849247	2.707162	379.957235	
min	8.000000	1.000000	58.000000	
25%	39.000000	7.000000	397.000000	
50%	48.000000	9.000000	519.000000	
75%	55.000000	11.000000	733.500000	
max	91.000000	16.000000	2472.000000	
re	sponse_word_count			
count	15999.000000			
mean	104.630539			
std	60.488505			
min	9.000000			
25%	67.000000			
50%	87.000000			
75%	122.000000			
max	402.000000			











=== Top 20	Words in	Instructions	
word	count		
account	3876		
help	3641		
order	3174		
need	2420		
number	1984		
want	1811		
assistance	1774		
check	1654		
know	1536		
customer	1229		
purchase	1036		
person	1020		
delivery	1008		
payment	987		
address	943		
type	743		
invoice	713		
methods	633		

612

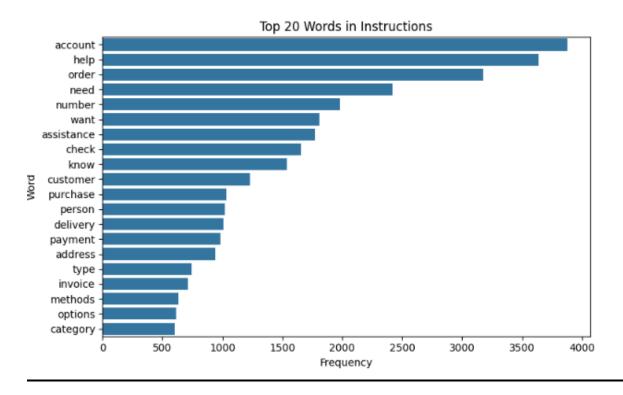
options

category









### **#Program for Frequency of Intent:**

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

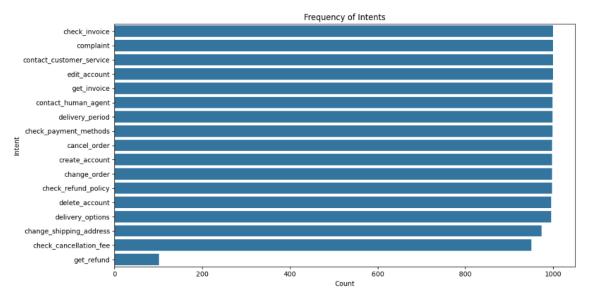
```
# Load the data
df = pd.read_csv("/content/Training data.csv")
```

```
# Count of each intent
plt.figure(figsize=(12, 6))
sns.countplot(y='intent', data=df, order=df['intent'].value_counts().index)
plt.title("Frequency of Intents")
plt.xlabel("Count")
plt.ylabel("Intent")
plt.tight_layout()
plt.show()
```









## **#Program for Frequency for Categories:**

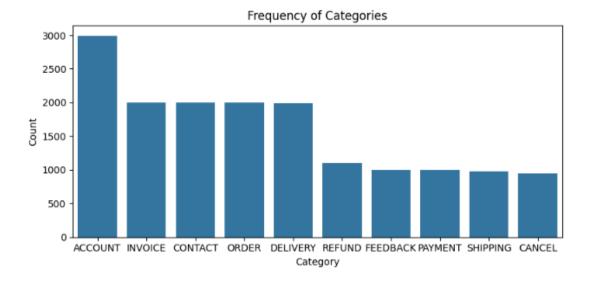
```
plt.figure(figsize=(8, 4))
sns.countplot(x='category', data=df,
    order=df['category'].value_counts().index)
plt.title("Frequency of Categories")
plt.xlabel("Category")
plt.ylabel("Count")
plt.tight_layout()
plt.show()
```

### **#output:**









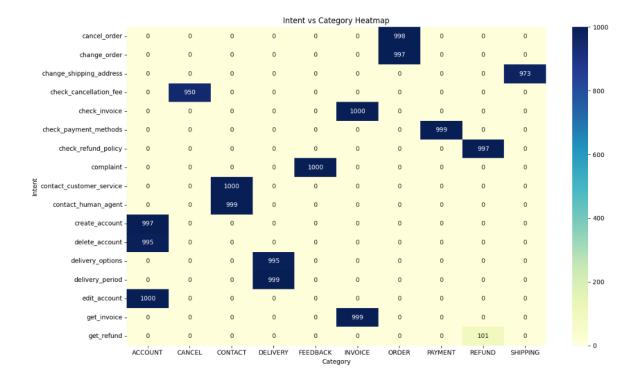
### **#Program Intent vs Category:**

```
cross_tab = pd.crosstab(df['intent'], df['category'])
plt.figure(figsize=(14, 8))
sns.heatmap(cross_tab, annot=True, fmt='d', cmap='YlGnBu')
plt.title("Intent vs Category Heatmap")
plt.xlabel("Category")
plt.ylabel("Intent")
plt.tight_layout()
plt.show()
```









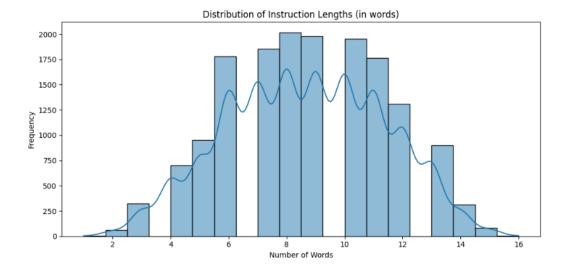
## **#Program for Frequency Distribution:**

```
df['instruction_length'] = df['instruction'].apply(lambda x: len(str(x).split()))
plt.figure(figsize=(10, 5))
sns.histplot(df['instruction_length'], bins=20, kde=True)
plt.title("Distribution of Instruction Lengths (in words)")
plt.xlabel("Number of Words")
plt.ylabel("Frequency")
plt.tight_layout()
plt.show()
```









### **#Progam for Category Proportion:**

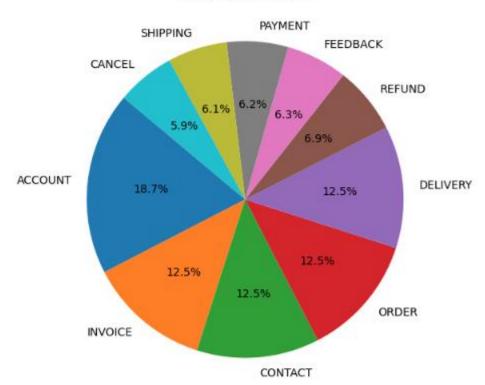
```
category_counts = df['category'].value_counts()
plt.figure(figsize=(6, 6))
plt.pie(category_counts, labels=category_counts.index, autopct='%1.1f%%',
    startangle=140)
plt.title("Category Proportions")
plt.tight_layout()
plt.show()
```







#### Category Proportions



### **#Progam for Correlation Matrix:**

import pandas as pd import seaborn as sns import matplotlib.pyplot as plt

# Load the dataset
df = pd.read\_csv("Training data.csv")

# Create numerical features

df['instruction\_length'] = df['instruction'].apply(lambda x: len(str(x)))

df['word\_count'] = df['instruction'].apply(lambda x: len(str(x).split()))

df['response\_length'] = df['response'].apply(lambda x: len(str(x)))





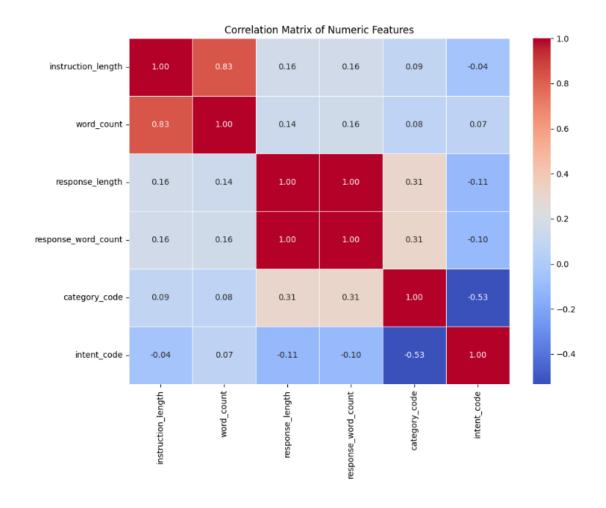


```
df['response_word_count'] = df['response'].apply(lambda x: len(str(x).split()))
# Convert category and intent into codes (optional)
df['category_code'] = df['category'].astype('category').cat.codes
df['intent code'] = df['intent'].astype('category').cat.codes
# Select numeric features
numeric df = df[['instruction length', 'word count', 'response length',
  'response_word_count', 'category_code', 'intent_code']]
# Compute correlation matrix
corr_matrix = numeric_df.corr()
# Plot
plt.figure(figsize=(10, 8))
sns.heatmap(corr_matrix, annot=True, cmap='coolwarm', fmt=".2f",
 linewidths=0.5)
plt.title("Correlation Matrix of Numeric Features")
plt.tight_layout()
plt.show()
```









### **#Program for confusion matrix:**

import pandas as pd from sklearn.model\_selection import train\_test\_split from sklearn.feature\_extraction.text import TfidfVectorizer from sklearn.linear\_model import LogisticRegression from sklearn.metrics import confusion\_matrix, classification\_report import seaborn as sns import matplotlib.pyplot as plt

# Load data
df = pd.read\_csv("/content/Training data.csv")
# Choose target: 'intent' or 'category'
target\_column = 'intent' # Change to 'category' if needed

# Features and labels





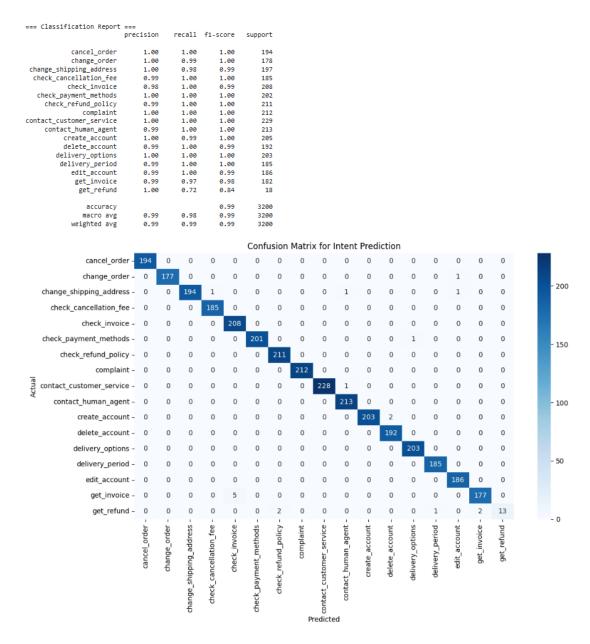


```
X = df['instruction']
y = df[target_column]
# Train/Test Split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
random state=42)
# TF-IDF Vectorization
vectorizer = TfidfVectorizer()
X train vec = vectorizer.fit transform(X train)
X_test_vec = vectorizer.transform(X_test)
# Logistic Regression Model
model = LogisticRegression(max_iter=200)
model.fit(X_train_vec, y_train)
# Predictions
y_pred = model.predict(X_test_vec)
# === Classification Report ===
print("=== Classification Report ===")
print(classification_report(y_test, y_pred))
# === Confusion Matrix ===
conf_matrix = confusion_matrix(y_test, y_pred, labels=model.classes_)
# Plot Confusion Matrix
plt.figure(figsize=(12, 8))
sns.heatmap(conf_matrix, annot=True, fmt='d', cmap='Blues',
       xticklabels=model.classes_,
       yticklabels=model.classes )
plt.title(f"Confusion Matrix for {target_column.capitalize()} Prediction")
plt.xlabel("Predicted")
plt.ylabel("Actual")
plt.tight_layout()
plt.show()
```









### **#Program for random forest matrix:**

import pandas as pd from sklearn.model\_selection import train\_test\_split from sklearn.feature\_extraction.text import TfidfVectorizer from sklearn.ensemble import RandomForestClassifier from sklearn.metrics import confusion\_matrix, classification\_report import seaborn as sns import matplotlib.pyplot as plt







```
df = pd.read_csv("/content/Training data.csv")
# Choose target variable ('intent' or 'category')
target_column = 'intent' # Change to 'category' if needed
# Features and target
X = df['instruction']
y = df[target column]
# Train/test split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
random state=42)
# TF-IDF vectorization
vectorizer = TfidfVectorizer()
X_train_vec = vectorizer.fit_transform(X_train)
X_test_vec = vectorizer.transform(X_test)
# Random Forest model
rf_model = RandomForestClassifier(n_estimators=100, random_state=42)
rf_model.fit(X_train_vec, y_train)
# Predictions
y_pred = rf_model.predict(X_test_vec)
# === Classification Report ===
print("=== Classification Report ===")
print(classification_report(y_test, y_pred))
# === Confusion Matrix ===
conf_matrix = confusion_matrix(y_test, y_pred, labels=rf_model.classes_)
# Plot Confusion Matrix
plt.figure(figsize=(12, 8))
sns.heatmap(conf_matrix, annot=True, fmt='d', cmap='Greens',
       xticklabels=rf_model.classes_,
       yticklabels=rf_model.classes_)
plt.title(f"Random Forest Confusion Matrix for {target_column.capitalize()}
Prediction")
plt.xlabel("Predicted")
plt.ylabel("Actual")
plt.tight_layout()
plt.show()
```







"Output.																		
=== Classification Report ===																		
	ision	recal	l f1-sc	ore	support													
cancel_order	0.99	1.0	0 1	.00	194	1												
change_order	0.99	0.9	9 0	.99	178	3												
change_shipping_address	1.00	0.9		.99	197	7												
<pre>check_cancellation_fee</pre>	0.99	1.0		.99	189													
check_invoice	0.97	0.9		.97	208													
check_payment_methods	1.00	1.0		.00	202													
check_refund_policy	0.99	1.0		.00	211													
complaint	1.00	1.0		.00	212													
contact_customer_service	1.00	1.0		.00	229													
contact_human_agent	0.99	1.0		.00	213													
create_account delete_account	0.98	0.9		.99	192													
delivery_options	1.00	1.0		.00	203													
delivery_period	0.99	1.0		.00	189													
edit_account	1.00	0.9		.99	186													
get_invoice	0.95	0.9		.96	182													
get_refund	1.00	0.7		.88	18													
accuracy				.99	3206													
macro avg	0.99	0.9		.98	3206													
weighted avg	0.99	0.9	9 6	.99	3206	9												
_			Ra	ando	m Fore	st Co	nfusio	n Ma	trix fo	r Inte	ent Pr	edictio	n					
cancel_order -	194	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
change_order -	1	177 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	1	1// 0	_ 0	U	U	U	U	U	0	U	U	U	U	U	U	0	_	200
change_shipping_address -	0	2 19	3 1	0	0	0	0	0	1	0	0	0	0	0	0	0		200
check_cancellation_fee -	0	0 0	185	0	0	0	0	0	0	0	0	0	0	0	0	0		
check invoice -	0	0 0	0	200	0	0	0	0	0	0	0	0	0	0	8	0		
-																		
check_payment_methods -	0	0 0	0	0	201	0	0	0	0	0	0	1	0	0	0	0	-	150
check_refund_policy -	0	0 0	0	0	0	211	0	0	0	0	0	0	0	0	0	0		
complaint -	0	0 0	0	0	0	0	212	0	0	0	0	0	0	0	0	0		
contact_customer_service -	0	0 0	0	0	0	0	0	228	1	0	0	0	0	0	0	0		
contact_human_agent -	0	0 0	0	0	0	0	0	0	213	0	0	0	0	0	0	0		100
																		100
create_account -	0	0 0	0	0	0	0	0	0	0	205	0	0	0	0	0	0		
delete_account -	0	0 0	1	0	0	0	0	0	0	1	190	0	0	0	0	0		
delivery_options -	0	0 0	0	0	0	0	0	0	0	0	0	203	0	0	0	0		
delivery_period -	0	0 0	0	0	0	0	0	0	0	0	0	0	185	0	0	0	-	50
edit_account -	0	0 0	0	0	0	0	0	0	0	0	3	0	0	183	0	0		
_																		
get_invoice -	0	0 0	0	6	0	0	0	0	0	0	0	0	0	0	176	0		
get_refund -	0	0 0	0	0	0	2	0	0	0	0	0	0	1	0	1	14		0
	-	- N	ė	e)	- 5	, ·	<u>_</u>	a)	<u>+</u>	ıt-	<u>,</u>	- 51	þ	<u>-</u>	á	þ	-	0
	ď	rde res	-fe	ojo.	90	ij	a.	Σ	ger	oni	no	io	-2	ino	ojo.	Ę,		
	cancel_order	change_order	cancellation_fee	check_invoice	yment_methods	ck_refund_policy	complaint	ustomer_service	ct_human_agent	create_account	delete_account	delivery_options	delivery_period	edit_account	get_invoice	get_refund		
	ce	ngć	lat	×'	٤	Pu	8	<u>a</u>	lan	e l	ام	5	≥,	Ę.	#J	et,		
	ē	ha!	<u>e</u>	þe	ent	efu		Ĕ	E .	ate	ete	Ver	.e	8	Ď	б		
	-	0 0	an	T	Ĕ	2		sto	£,	G	용	<u>e</u>	de	-				
		- 5	Ο,		~	U		2	Ū			0						

contact\_customer\_service - o

contact\_human\_agent - o

change\_shipping\_address - o check\_cancellation\_fee - o check\_payment\_methods - o check\_refund\_policy - №