

TeleLaw_Legal_Analyzer

IBM watsonx.ai Studio

Search in your workspaces

Projects / Legal Equity Analyzer / TeleLaw_Legal_Analyzer

```

cos_client = ibm_boto3.client(service_name='s3',
                              ibm_api_key_id='WodOp2AVgojFf7uwTLOMx0myG8X_03hTz56SHZ1M_M_x',
                              ibm_auth_endpoint="https://iam.cloud.ibm.com/identity/token",
                              config=Config(signature_version='oauth'),
                              endpoint_url='https://s3.direct.au-syd.cloud-object-storage.appdomain.cloud')

bucket = 'legalequityanalyzer-donotdelete-pr-0p9wujevbapvgl'
object_key = 'DistrictswiseCR_AEdatav_24-25.csv'

body = cos_client.get_object(Bucket=bucket,Key=object_key)['Body']
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )

df_1 = pd.read_csv(body)
df_1.head(10)

```

Out[1]:

	Category	States/UT's	Districts	No. of CSCs	Female	Male	Total	General	OBC	SC	ST	Total.1
0	Case Registered	Andaman and Nicobar	Nicobar	5	615	852	1467	557	315	546	49	1467
1	Case Registered	Andaman and Nicobar	North and Middle Andaman	37	765	1114	1879	199	187	1436	57	1879
2	Case Registered	Andaman and Nicobar	South Andaman	31	340	251	591	42	89	430	30	591
3	Case Registered	Andhra Pradesh	Alluri Sitharama Raju	430	6370	6828	13198	3585	4660	3176	1777	13198
4	Case Registered	Andhra Pradesh	Anakapalli	646	6311	6267	12578	3532	4196	4347	503	12578
5	Case Registered	Andhra Pradesh	Anantapur	577	10050	21628	31678	9189	8651	12245	1593	31678
6	Case Registered	Andhra Pradesh	Annamayya	501	2039	1181	3220	1173	776	1118	153	3220
7	Case Registered	Andhra Pradesh	Bapatla	461	1756	1960	3716	1729	680	1120	187	3716
8	Case Registered	Andhra Pradesh	Chittoor	724	24254	12256	36510	19944	8818	7115	633	36510
9	Case Registered	Andhra Pradesh	East Godavari	300	5908	7332	13240	7032	3230	2370	608	13240

[illegible]

Projects

Legal Equity Analyzer

TeleLaw_Legal_Analyzer

In [3]:

df_1.isnull().sum()

Out[3]:

Category 0
States/UT's 0
Districts 0
No. of CSCs 0
Female 0
Male 0
Total 0
General 0
OBC 0
SC 0
ST 0
Total.1 0
dtype: int64

In [4]:

df_1.columns = [col.strip().replace(' ', '_') for col in df_1.columns]
print(df_1.columns)

Index(['Category', 'States/UT's', 'Districts', 'No._of_CSCs', 'Female', 'Male',
'Total', 'General', 'OBC', 'SC', 'ST', 'Total.1'],
dtype='object')

In [5]:

gender_df = df_1[['Districts', 'Female', 'Male']].copy()

gender_melted = gender_df.melt(id_vars='Districts',
value_vars=['Female', 'Male'],
var_name='Gender',
value_name='Case_Registrations')











