## EDS Activity – 1

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Div.: - ET1 Roll No.: - ET1-42

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Dataset: - The Blog Authorship Corpus

```
△ blogdataanalysis.ipynb ☆ △
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苣
                            import pandas as pd
                               import numpy as np
Q
                               # Random seed for reproducibility
<>
                               np.random.seed(42)
                               # Sample data for columns
{x}
                               ages = np.random.randint(18, 45, size=50)
                               geders = np.random.choice(['male', 'female'], size=50)
topics = np.random.choice(['tech', 'sports', 'fashion', 'travel', 'food', 'health', 'education'], size=50)
                                        ple_posts = [
"Exploring AI advancements", "Football match analysis", "Latest fashion trends",
"Travel hacks for budget trips", "Healthy recipes for busy people",
"Nutrition myths busted", "Online education opportunities", "Smartphone wars 2025",
"Olympics 2024 predictions", "Streetwear brands to watch", "Solo travel experiences",
"Gourmet vegan recipes", "Workout plans for beginners", "E-learning future trends",
"Quantum computing simplified", "Basketball world cup updates", "Accessories trends 2025",
"Hidden travel gems", "Plant-based diets explained", "Studying abroad tips",
"Tach travers to Gillow" "Gicket leagued of the veam", "Winter fashion essentials",
                                          "Tech startups to follow", "Cricket legends of the year", "Winter fashion essentials",
                                        "Tech startups to follow", "Cricket legends of the year", "Winter fashion essentials "Camping guides for beginners", "Keto diet simplified",

"Meditation techniques", "Best online certifications", "Gadget reviews",

"Major league baseball highlights", "Evening gowns and formalwear",

"Road trips around the world", "Superfoods benefits", "Education system reforms",

"Cot conferences to attend", "Soccer player rankings", "Hairstyle inspirations",

"Luxury travel on a budget", "Diet myths debunked", "Scholarship opportunities",

"Robotics innovations", "Tennis grand slam winners", "Men's fashion updates",

"Trekking essentials", "Low-carb recipes", "AI in education",

"Upcoming sports tournaments", "Beachwear collections", "Adventure travel diaries",

"Nutrition for athletes". "E-learning vs traditional learning"
                                           "Nutrition for athletes", "E-learning vs traditional learning"
                                # Build the DataFra
                               data_large = pd.DataFrame({
                                            'Age': ages.
                                          'Gender': genders,
                                          'Posts': np.random.choice(sample_posts, size=50)
```







