

Exploratory Data Analysis Report

Sala2Code

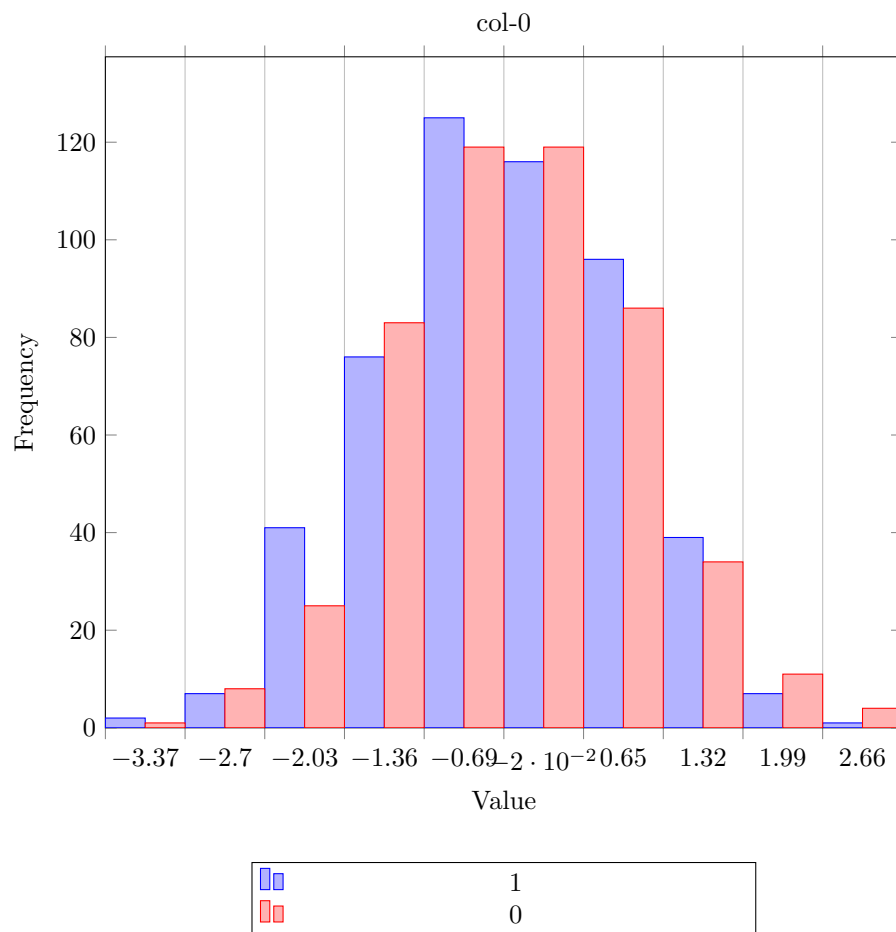
March 9, 2024

1 Dataset Overview

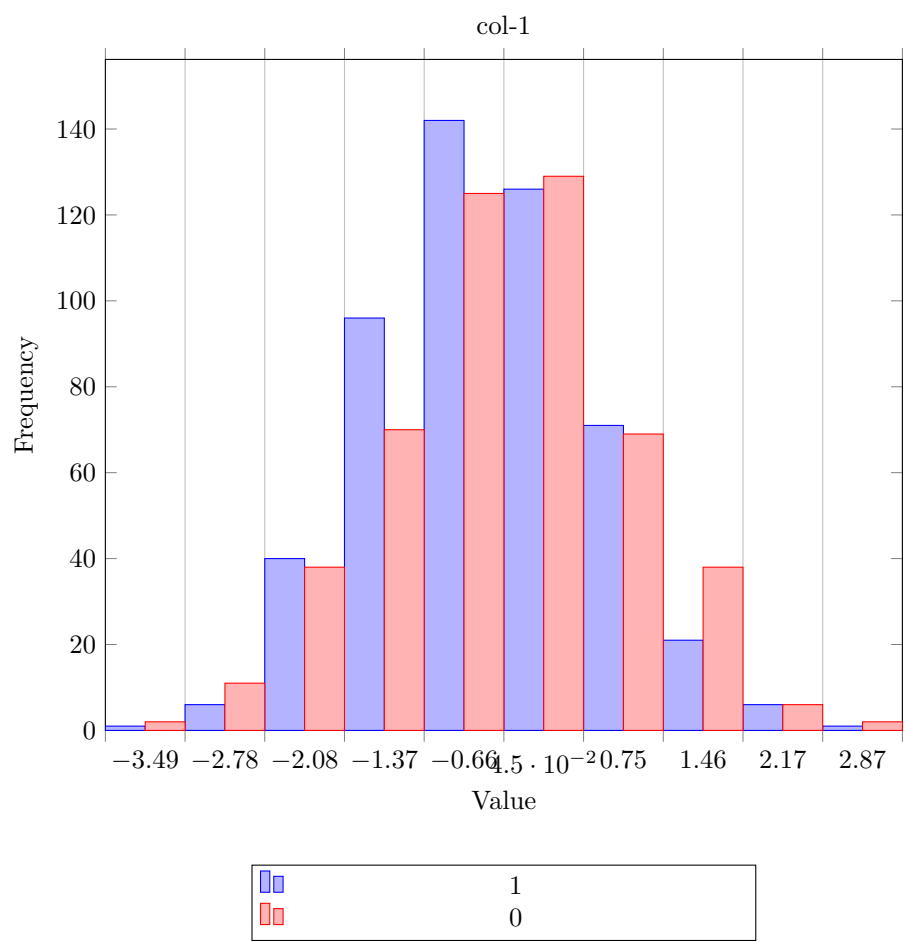
1.1 General Information

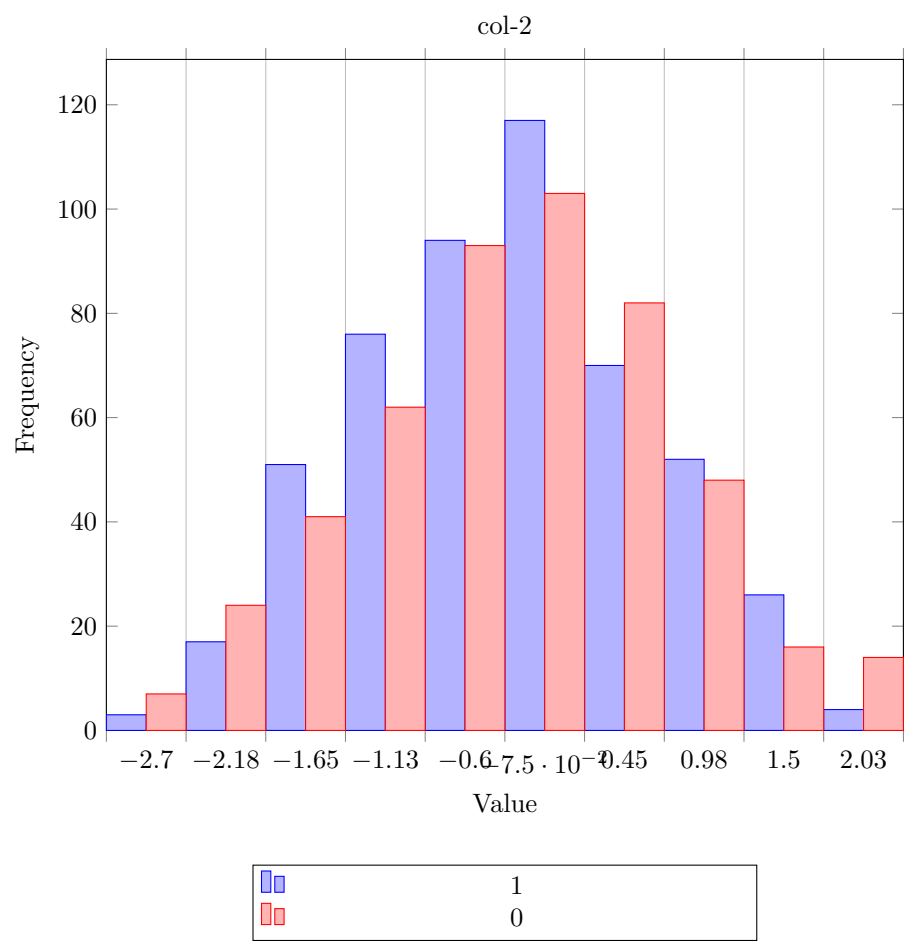
- Size: *1000* rows / *41* columns
- Target column: *col-40*

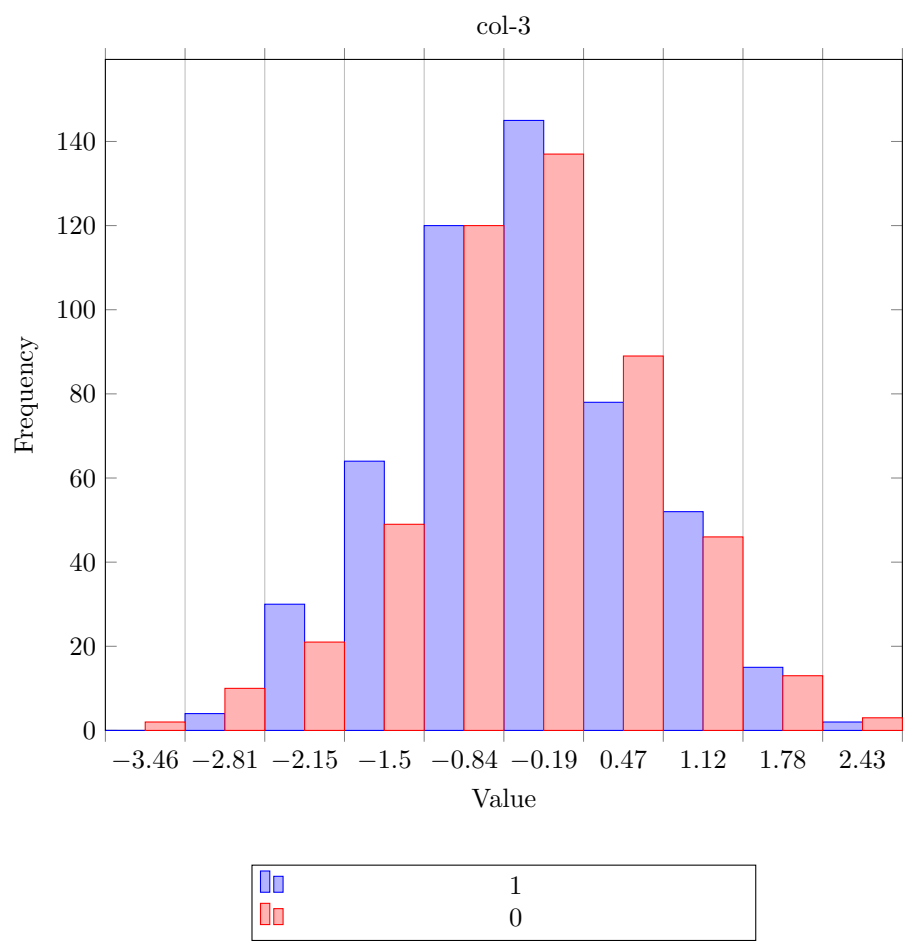
1.2 Continuous Columns

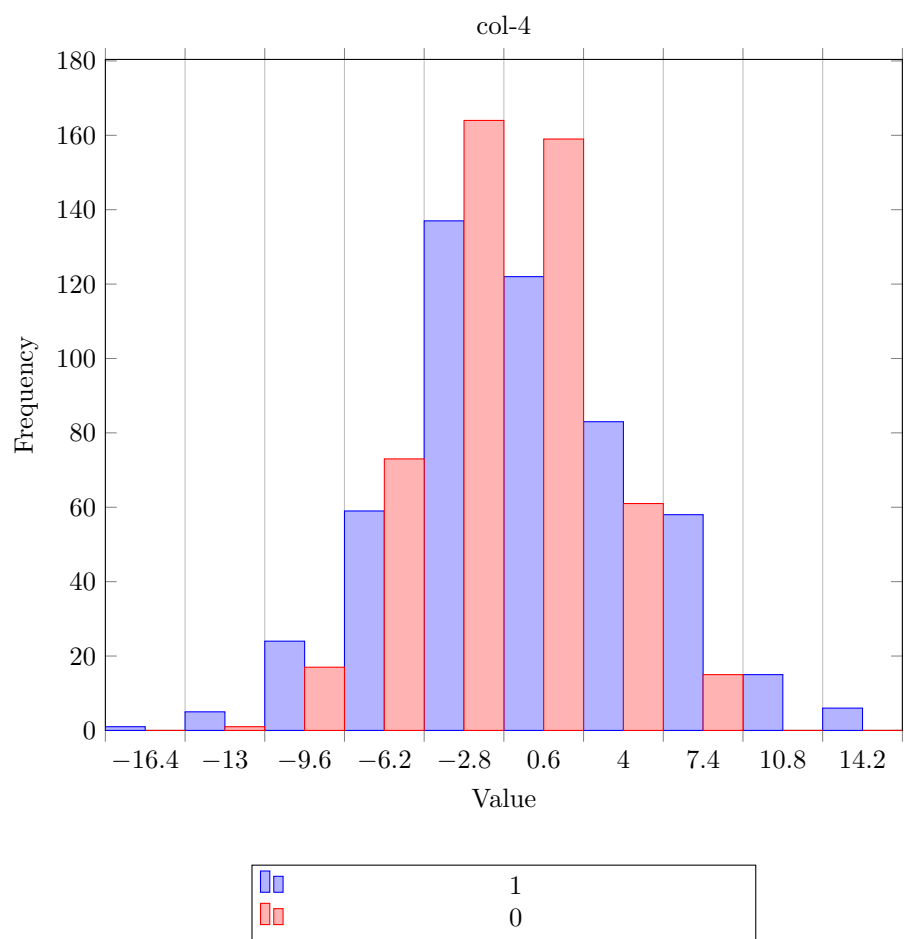


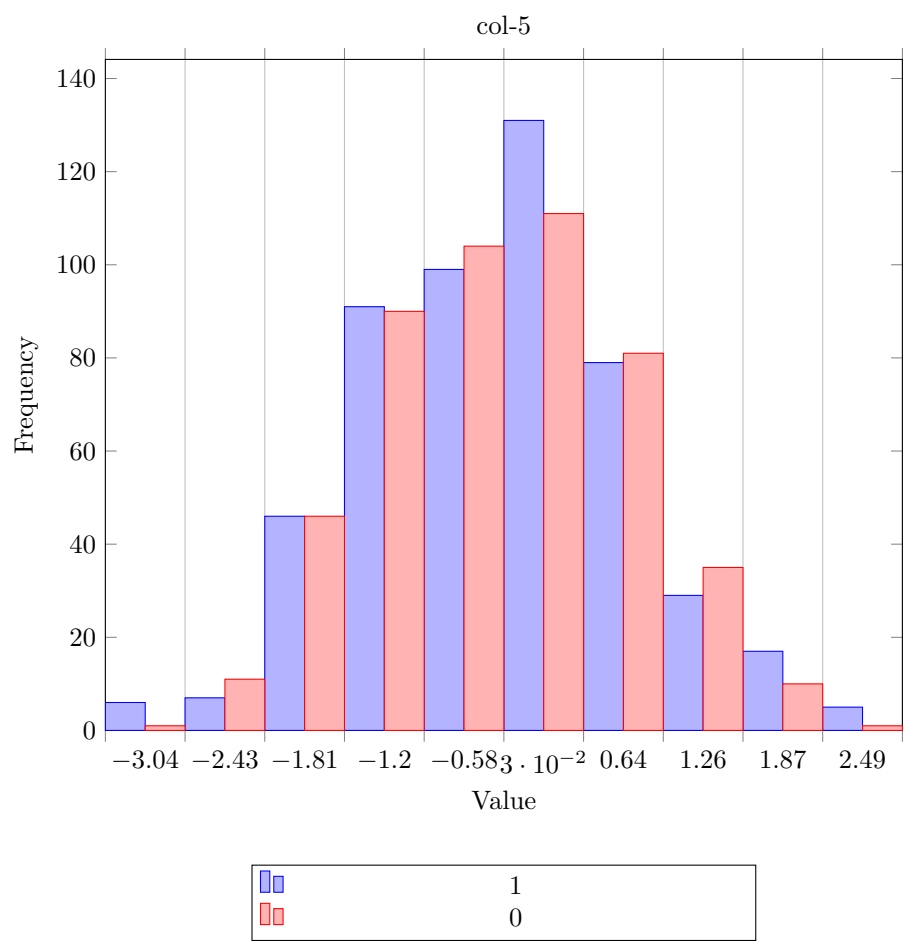
¹Consider the first value in each column. Therefore, it is not precise.

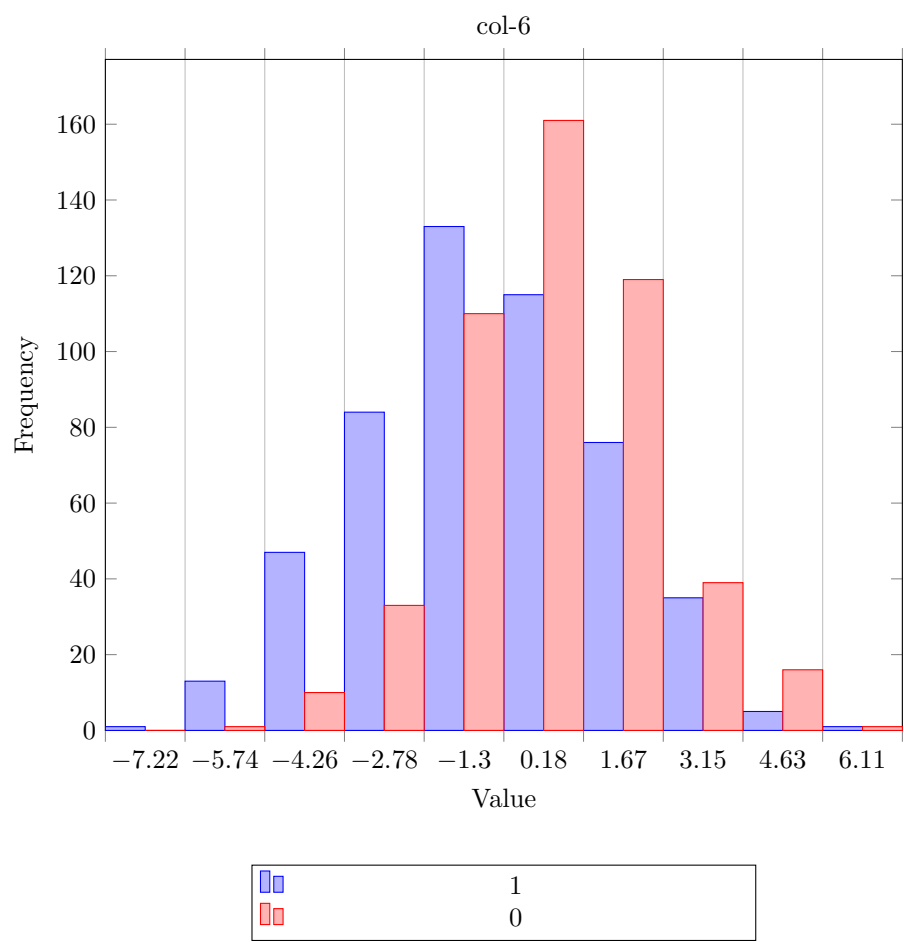


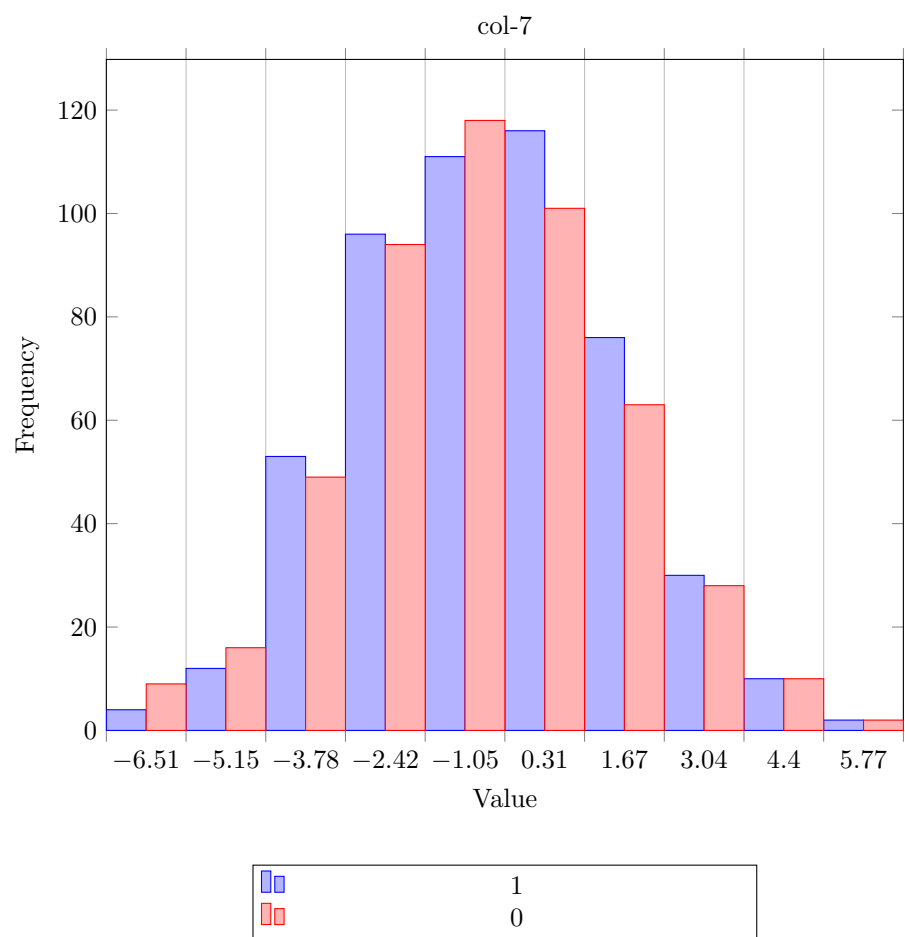


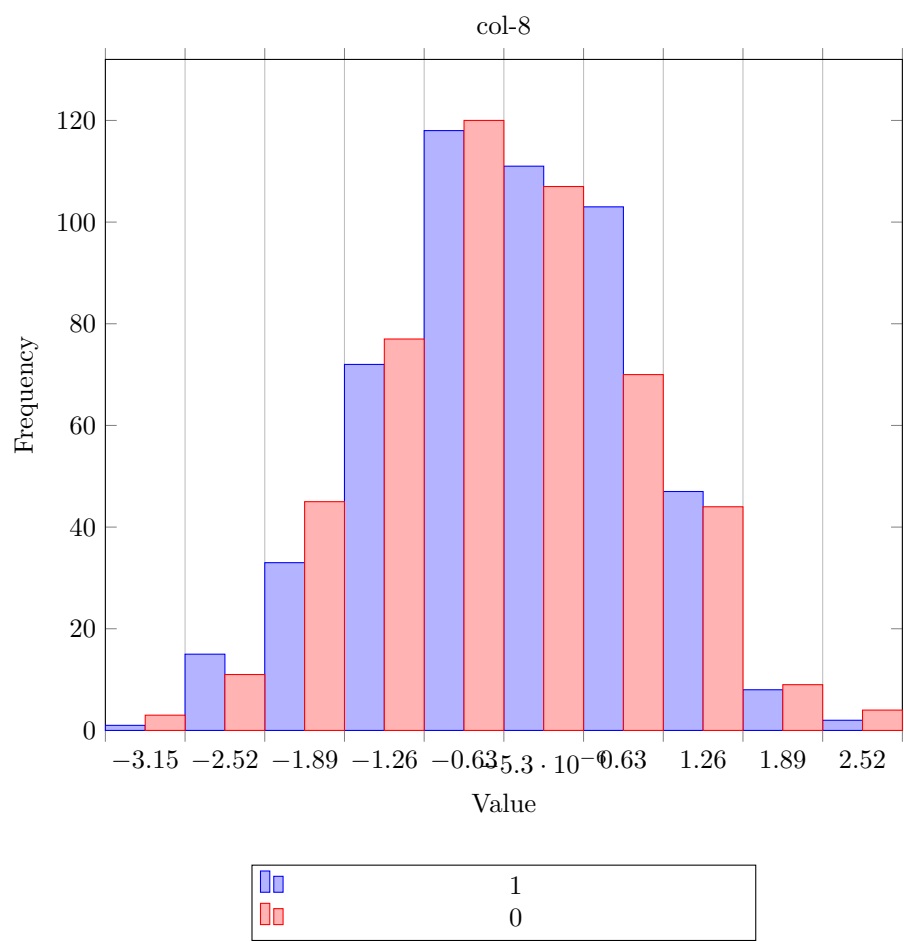


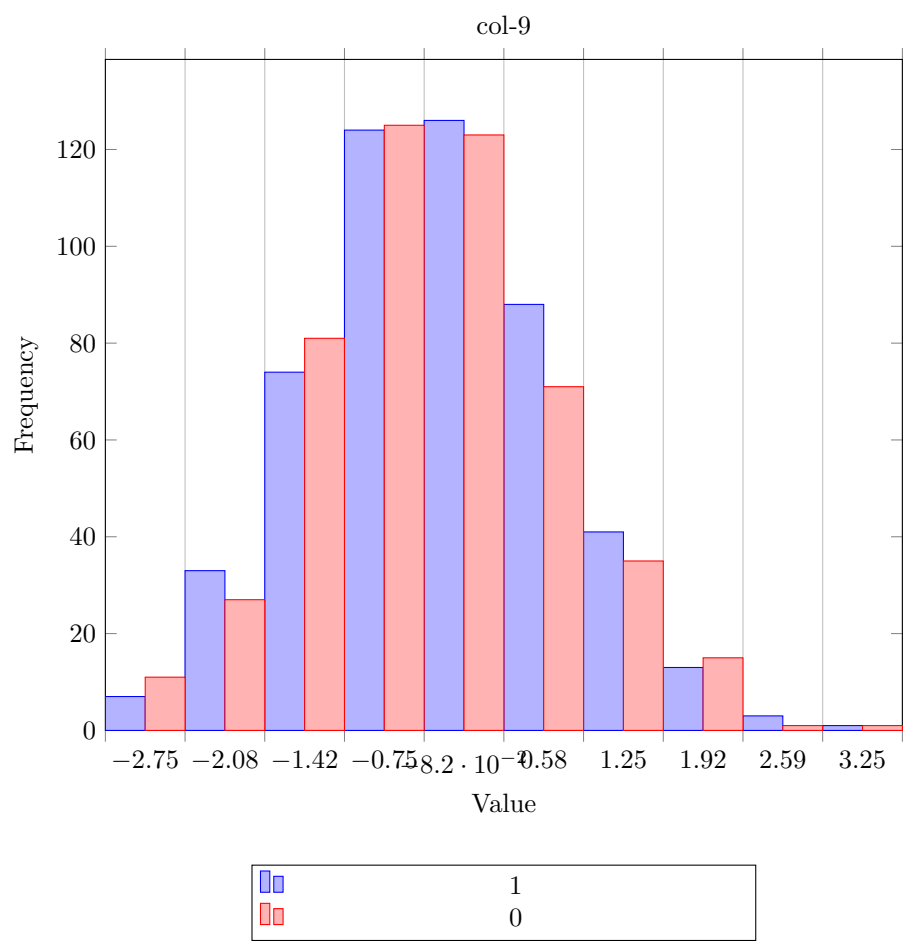


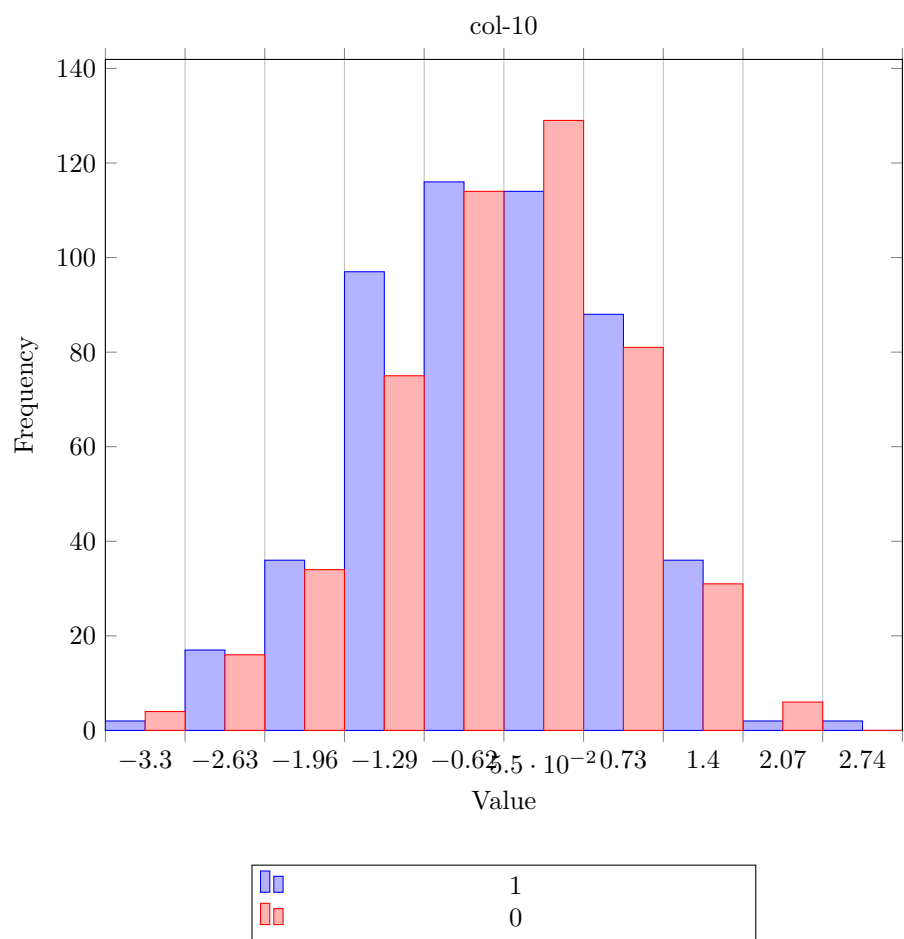


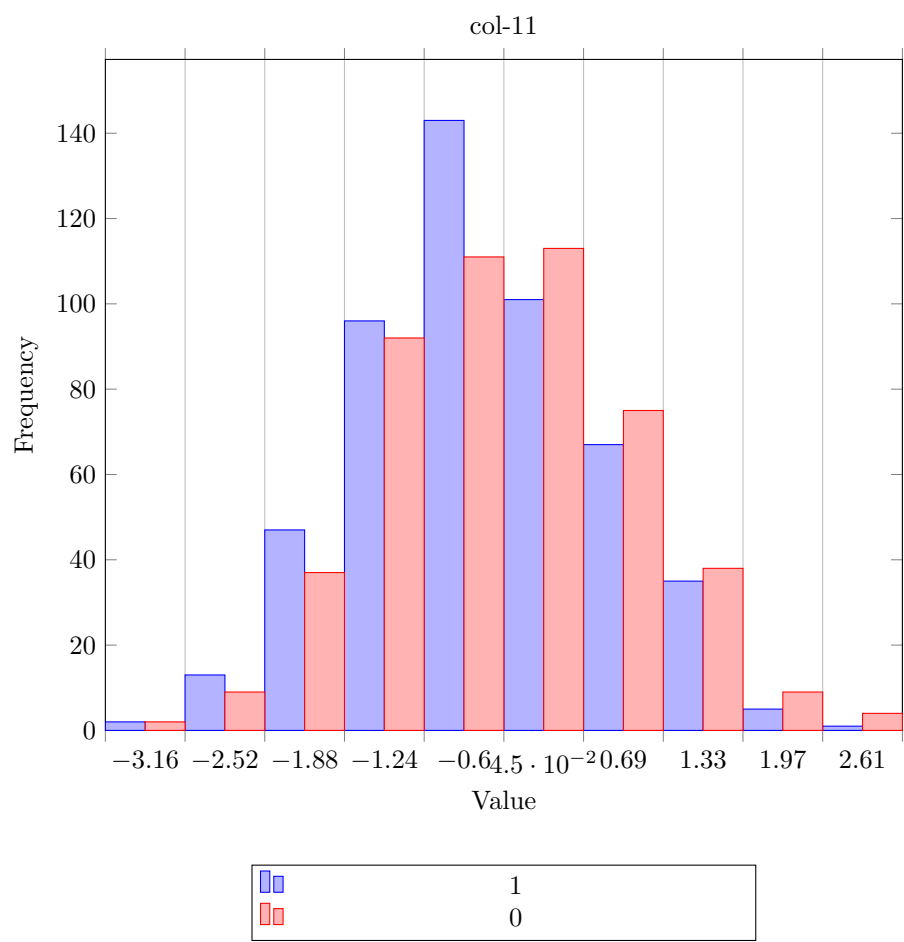


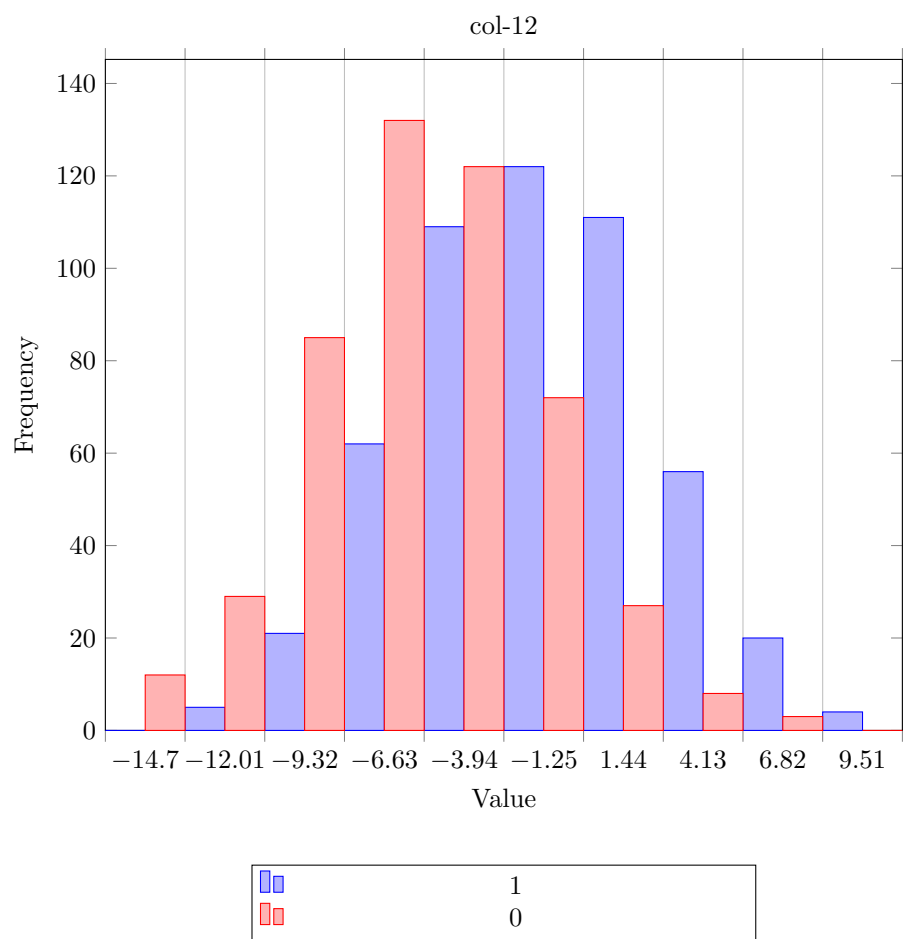


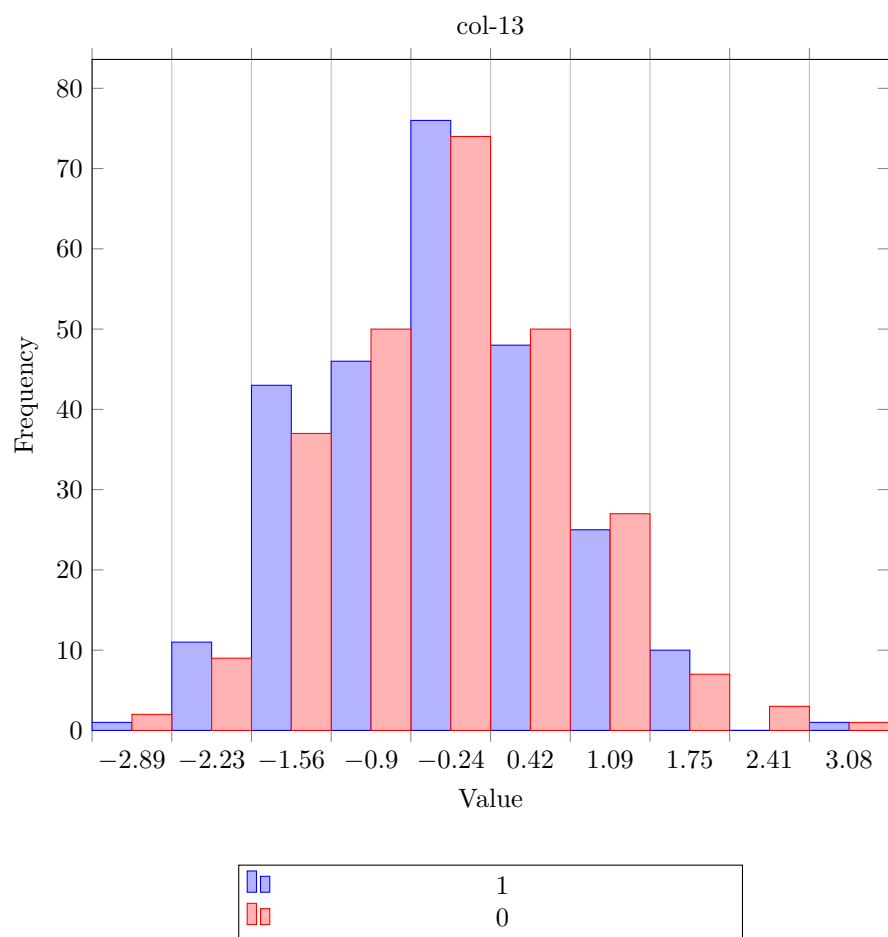


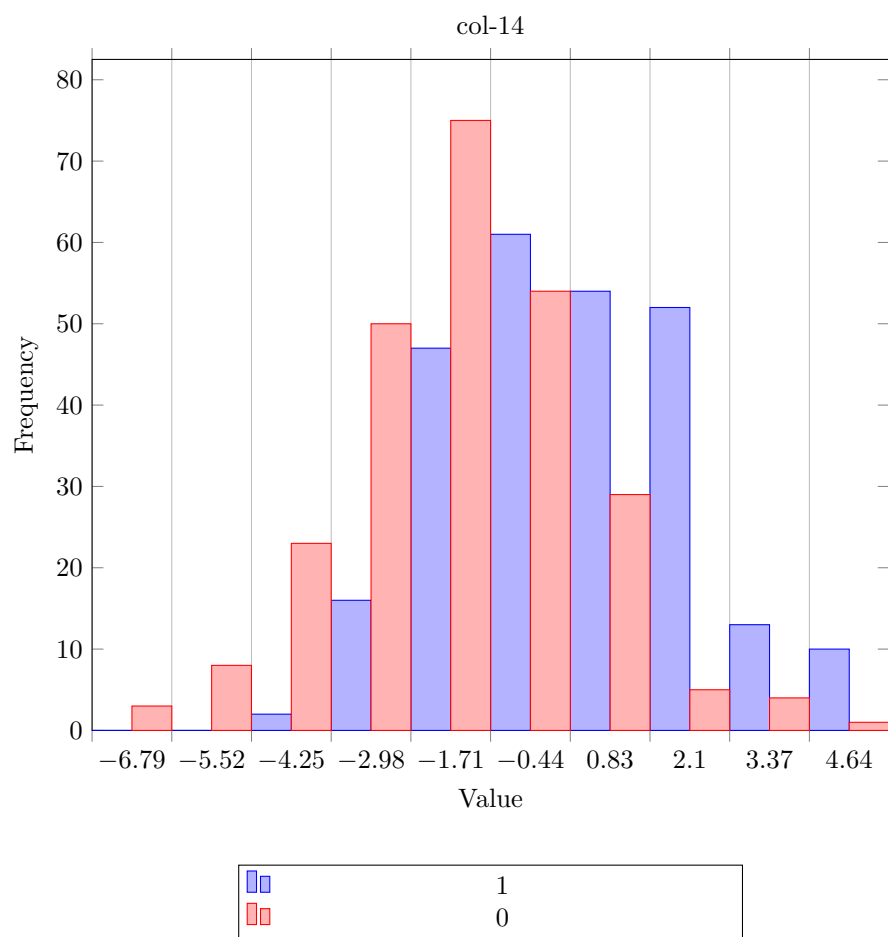


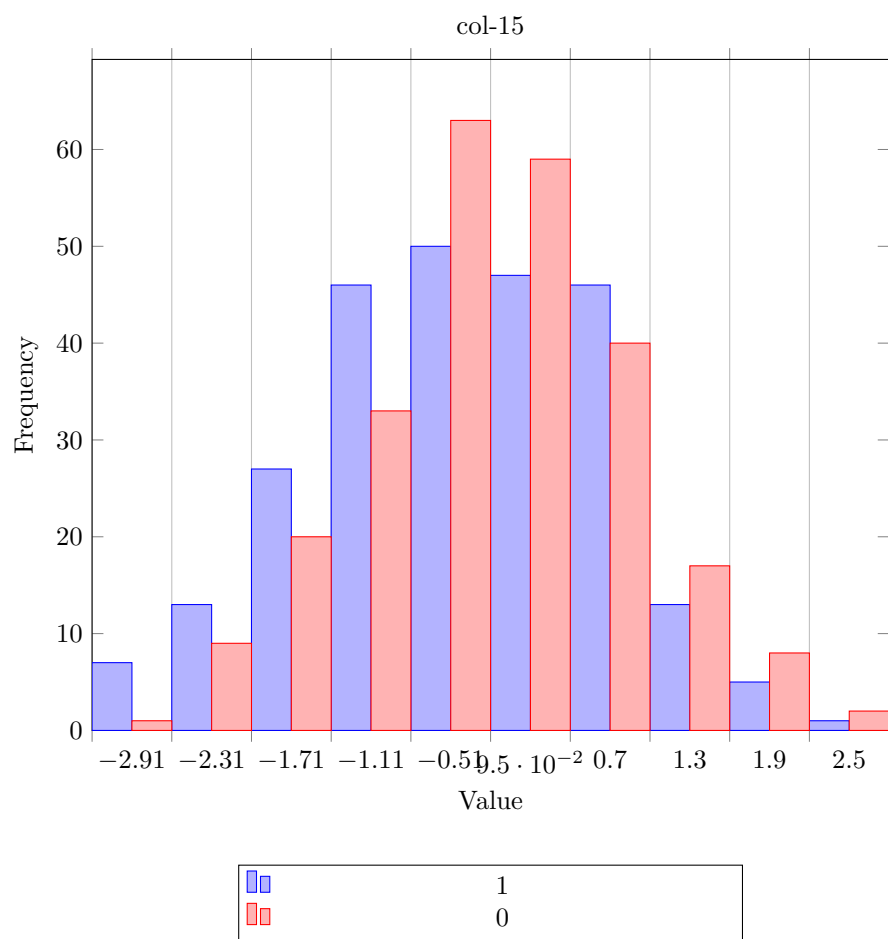


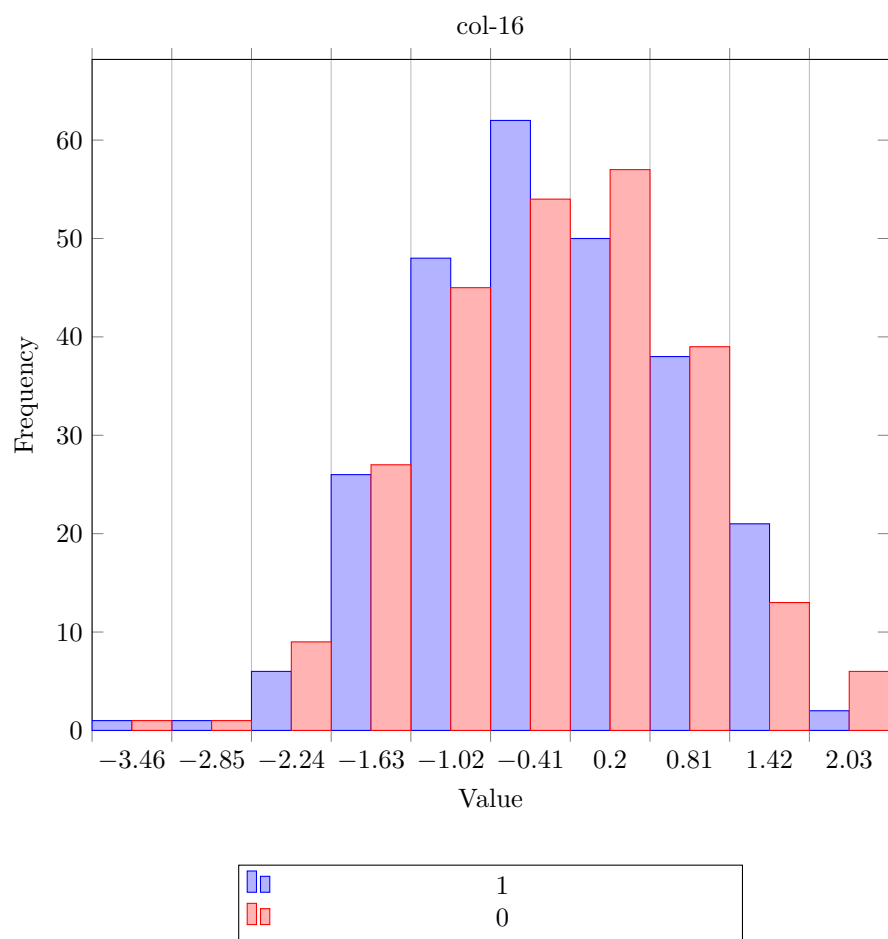


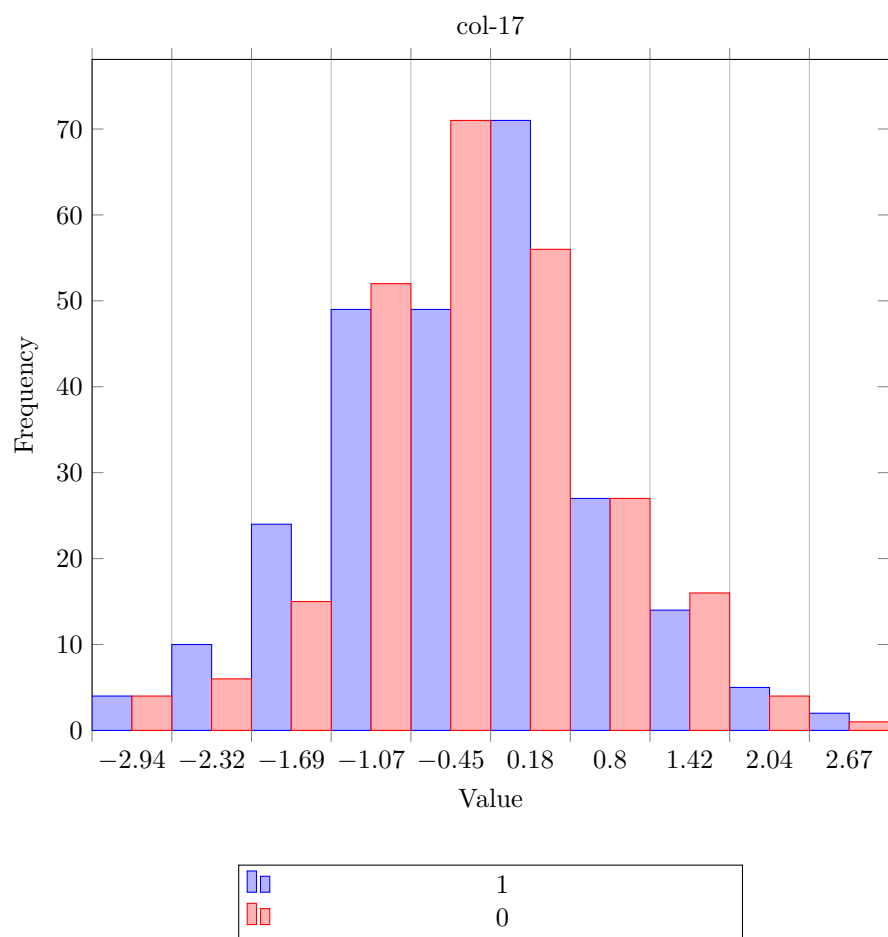


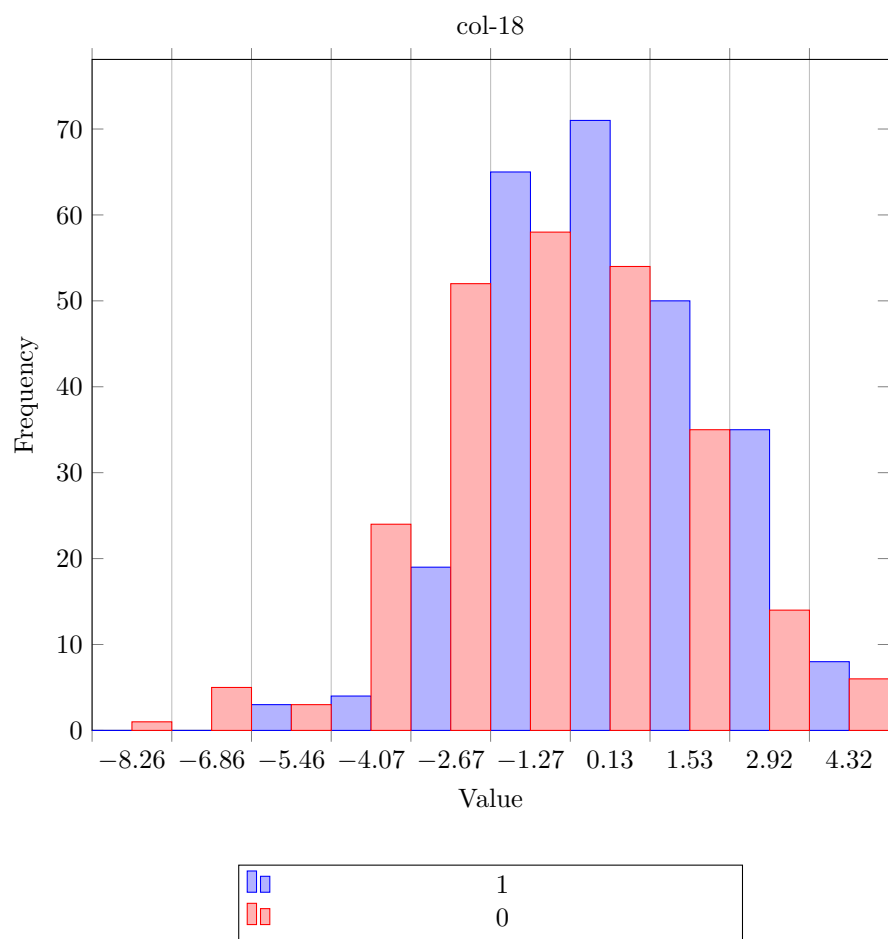


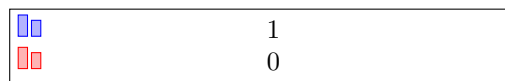
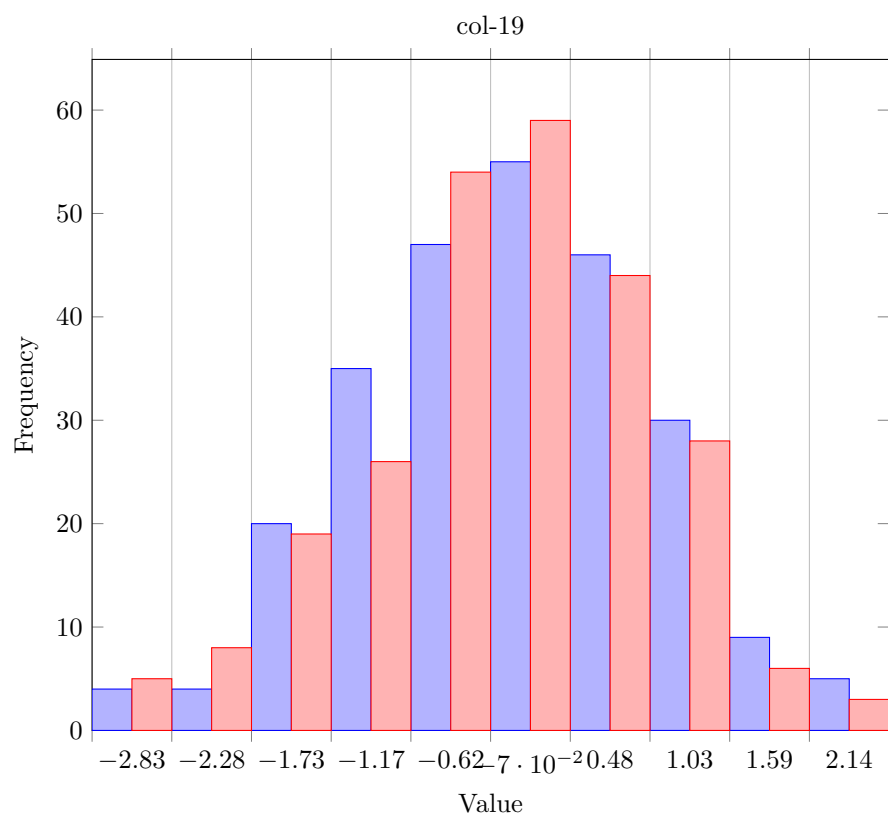


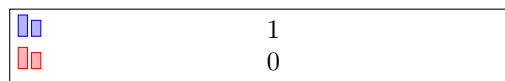
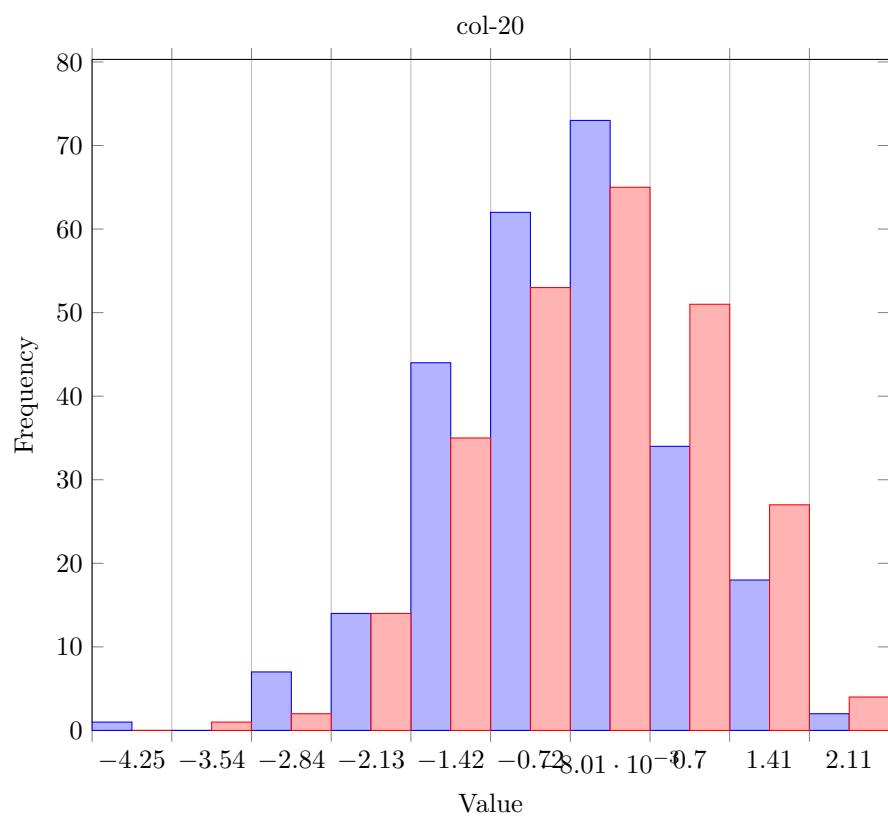


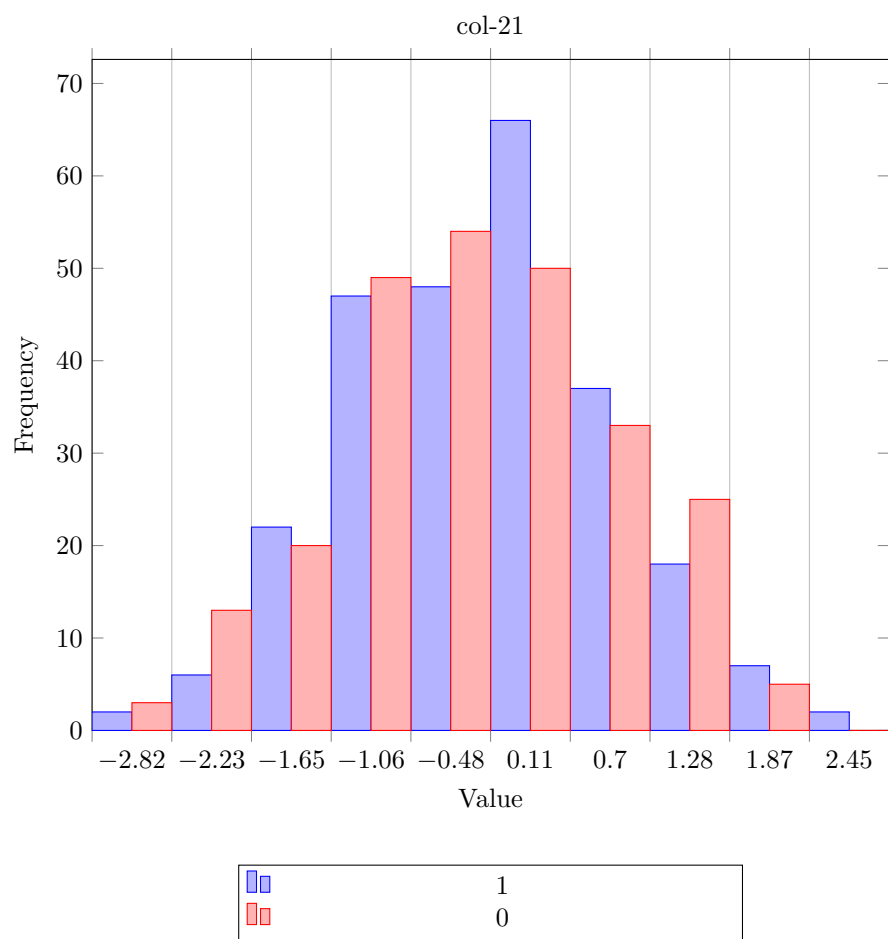


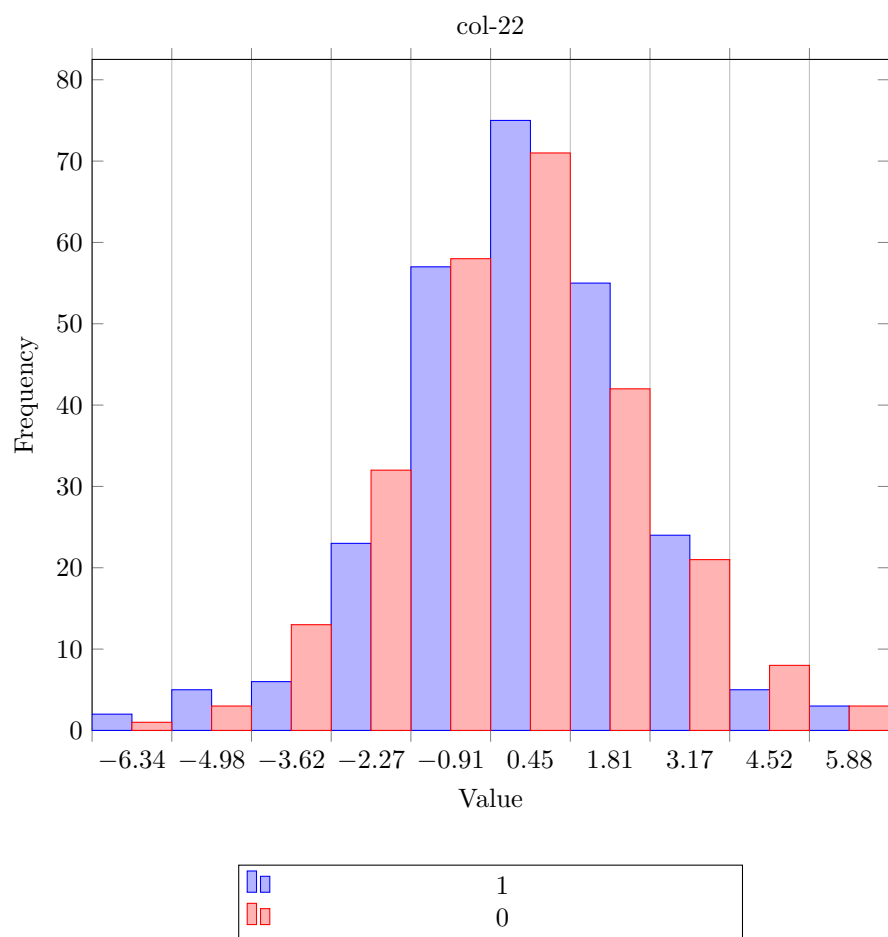


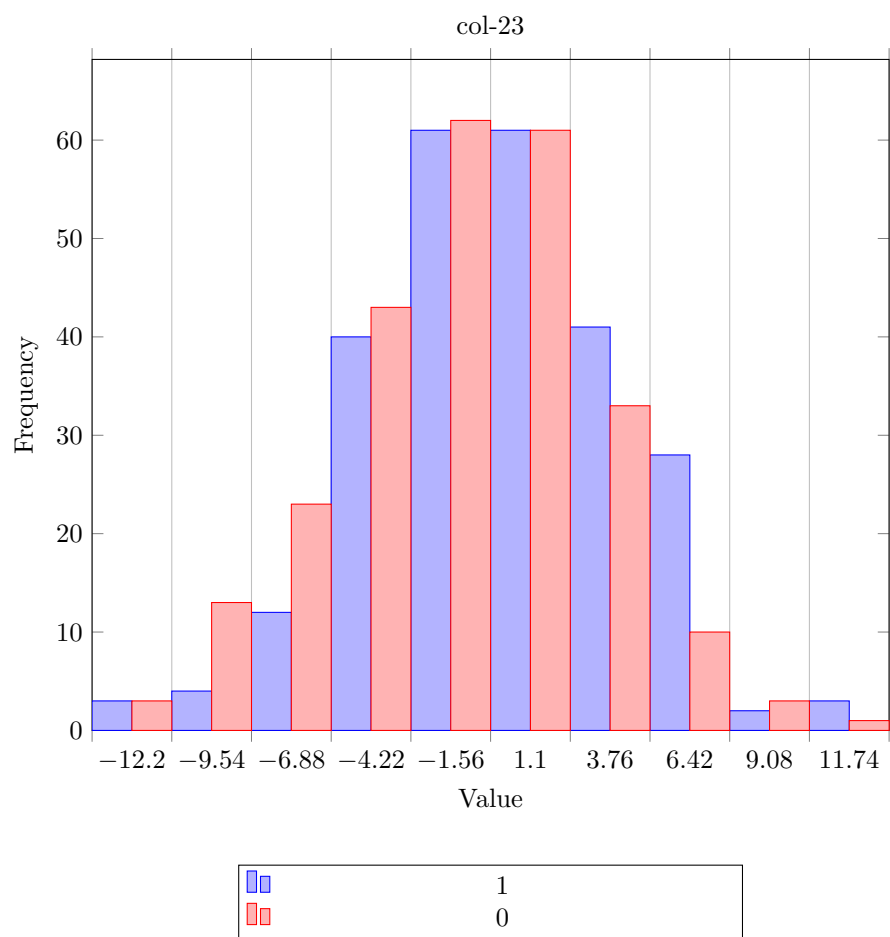


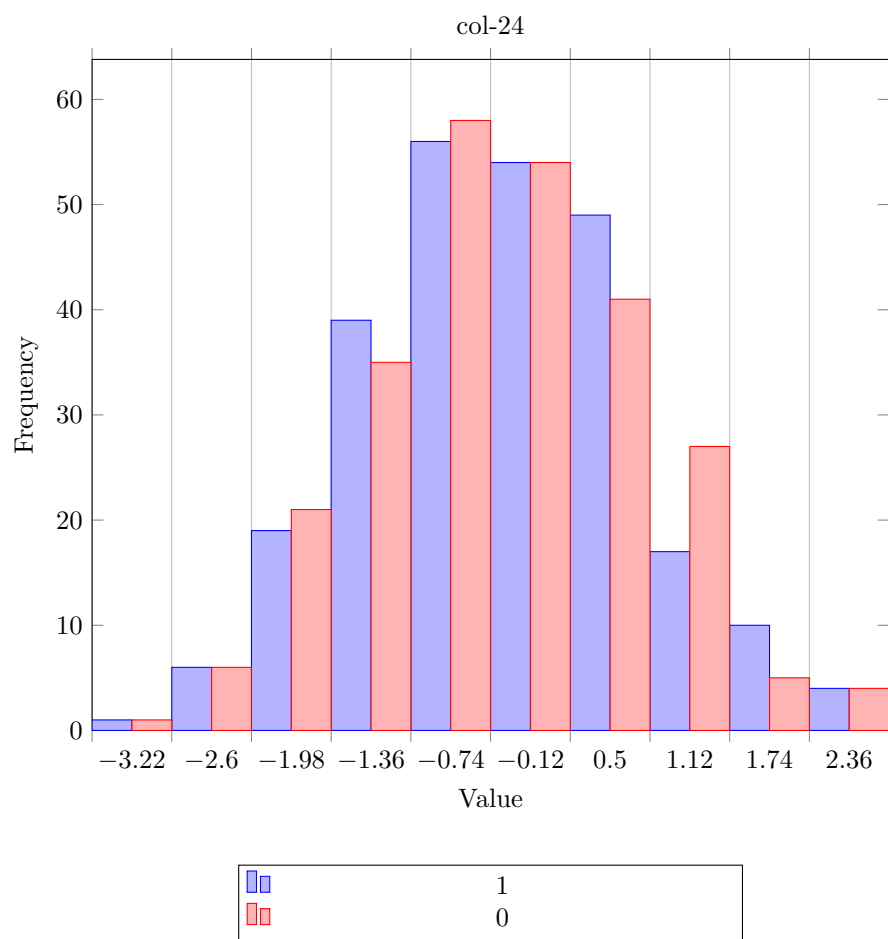


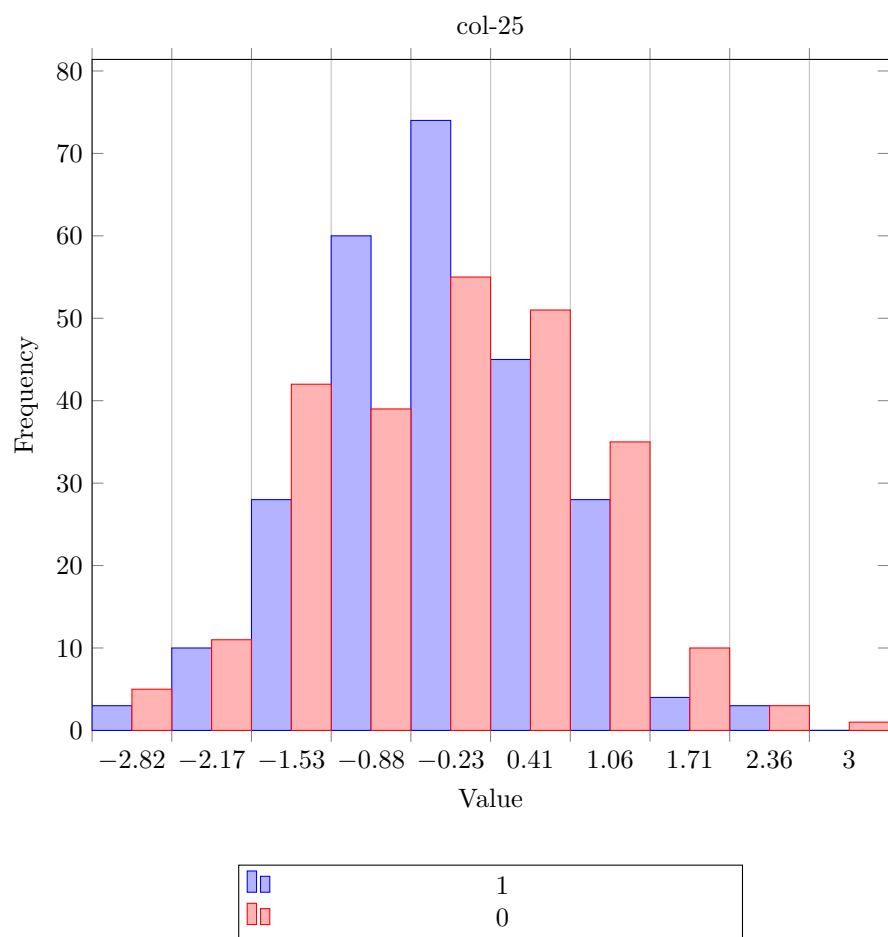


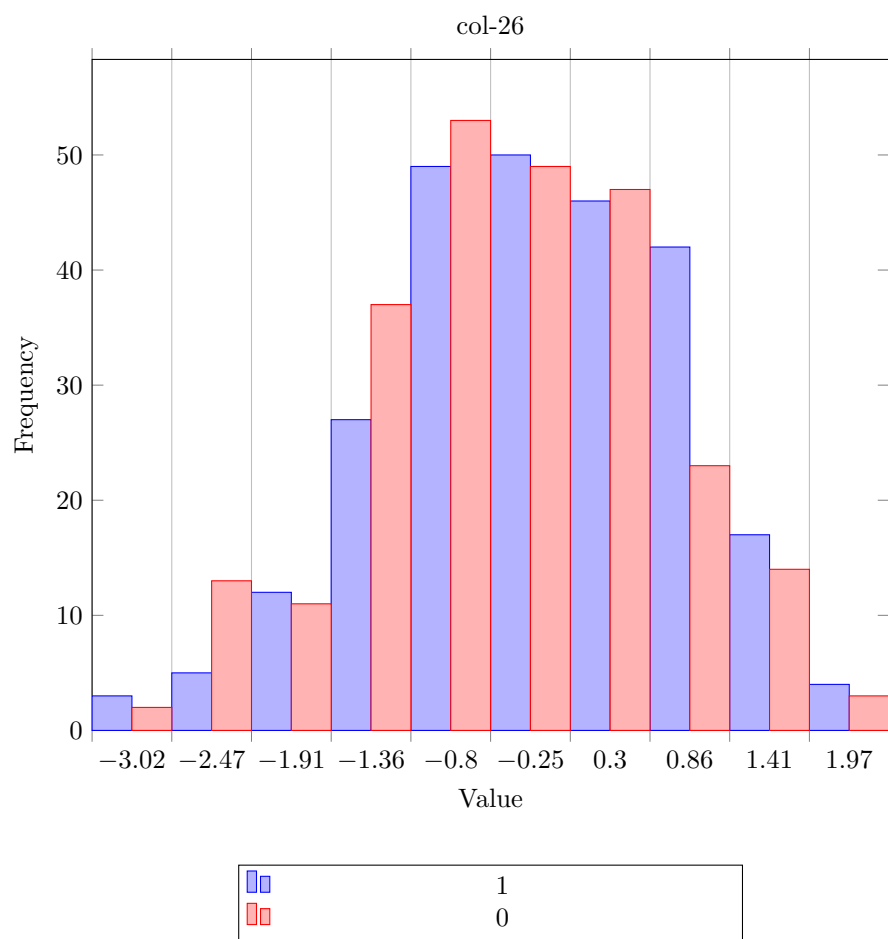


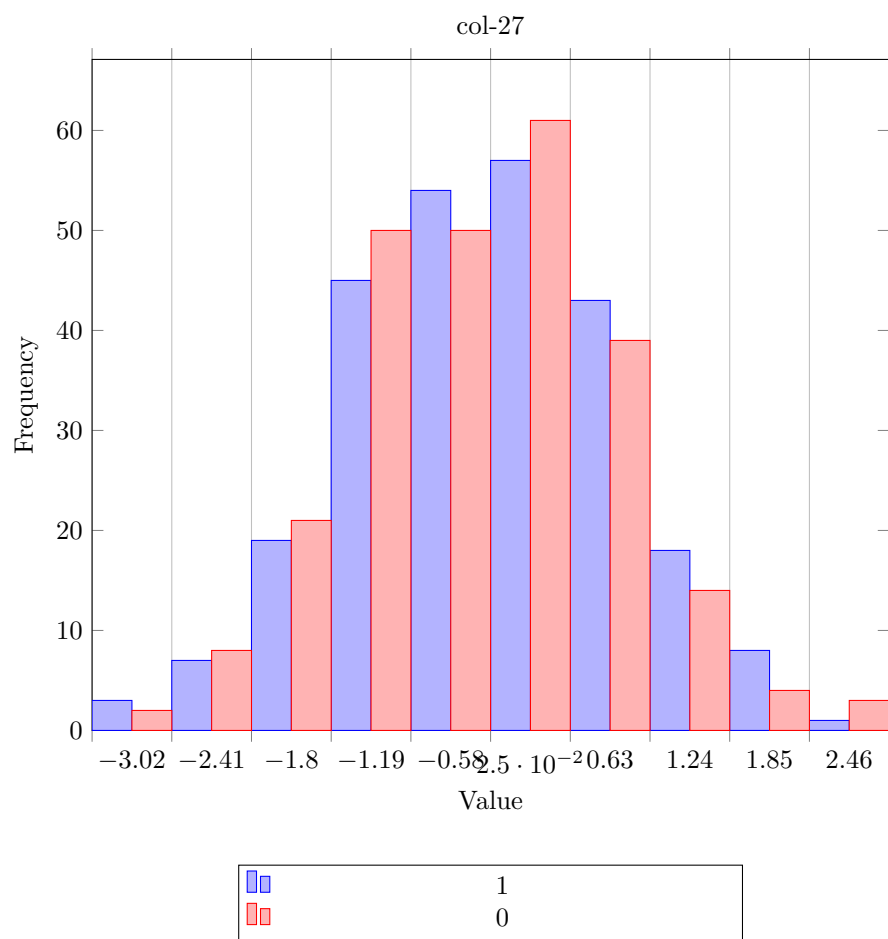


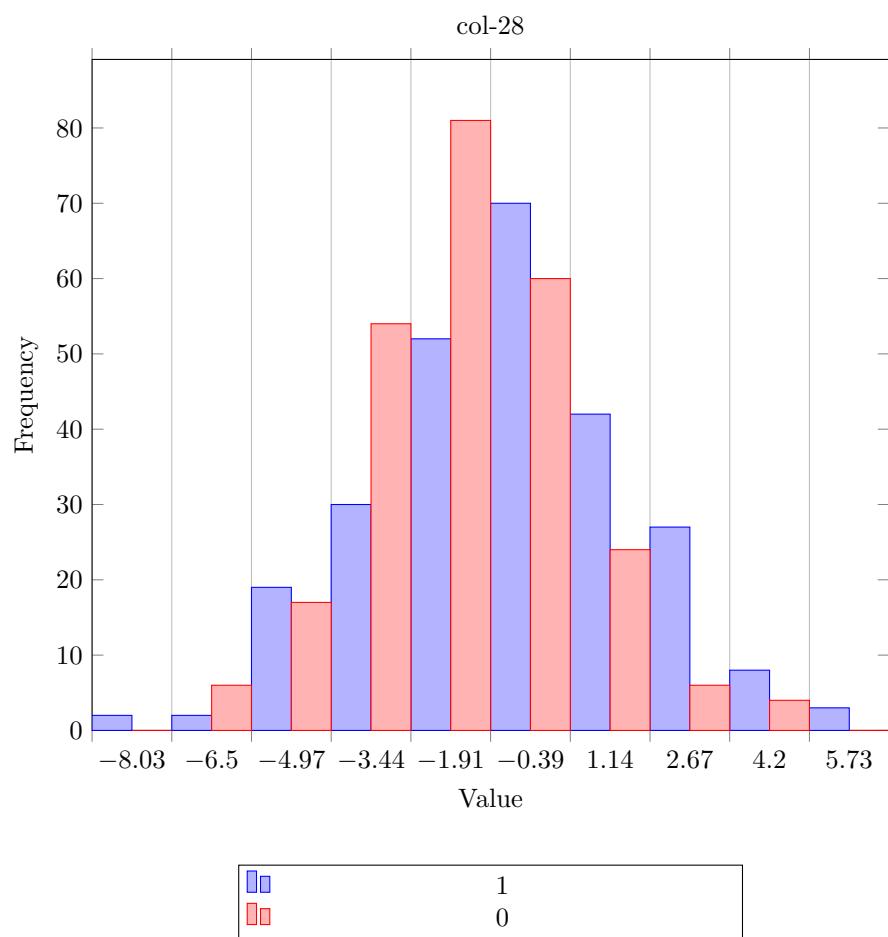


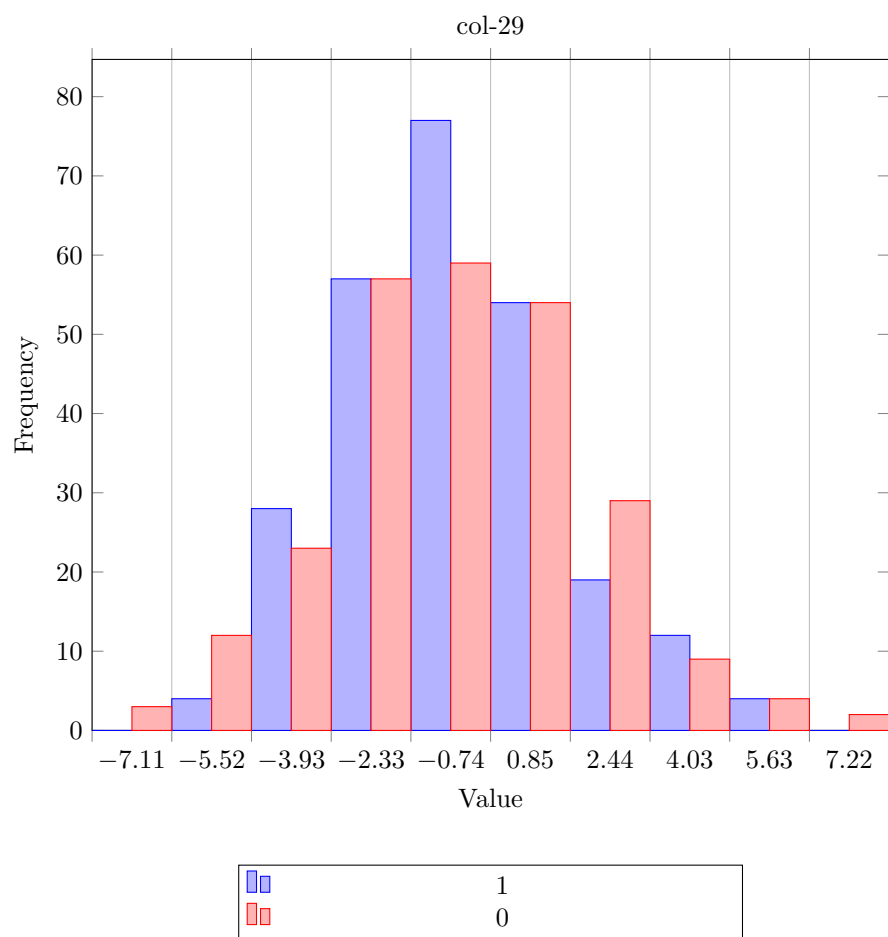


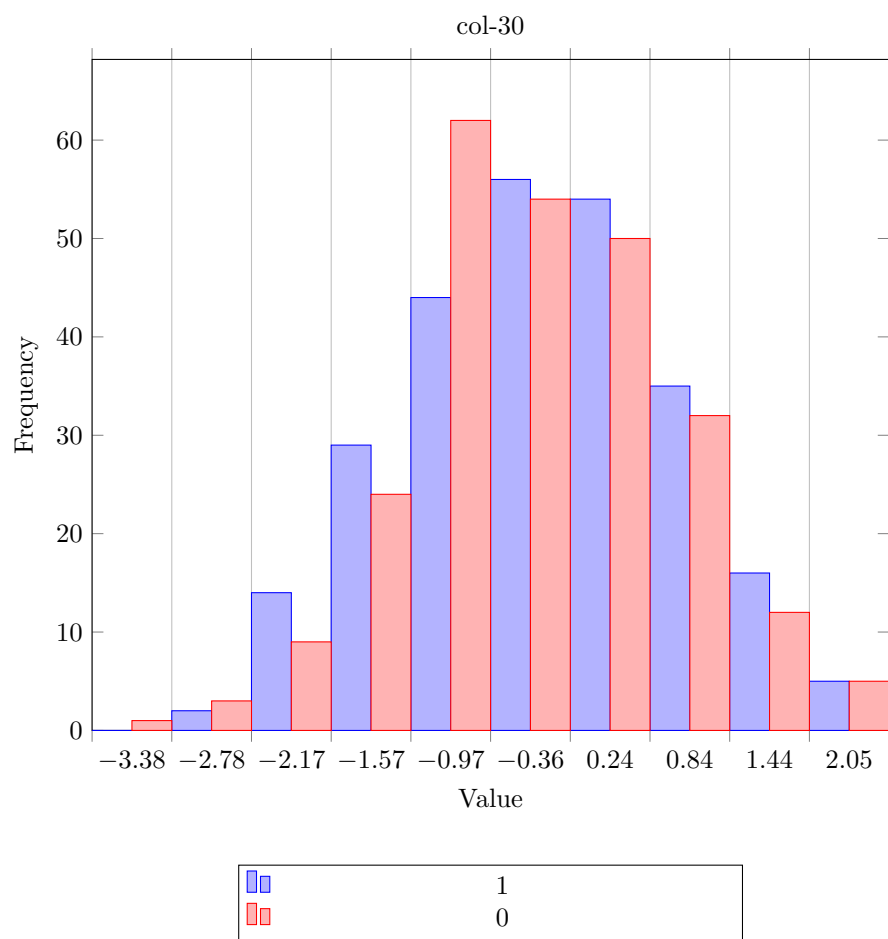


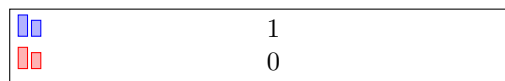
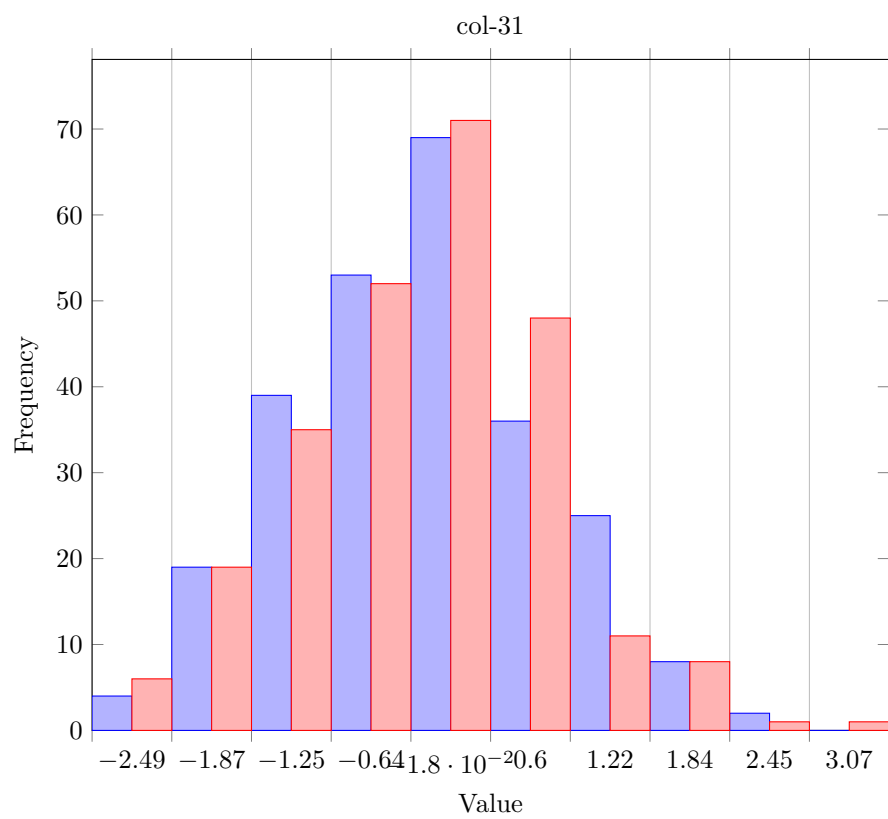


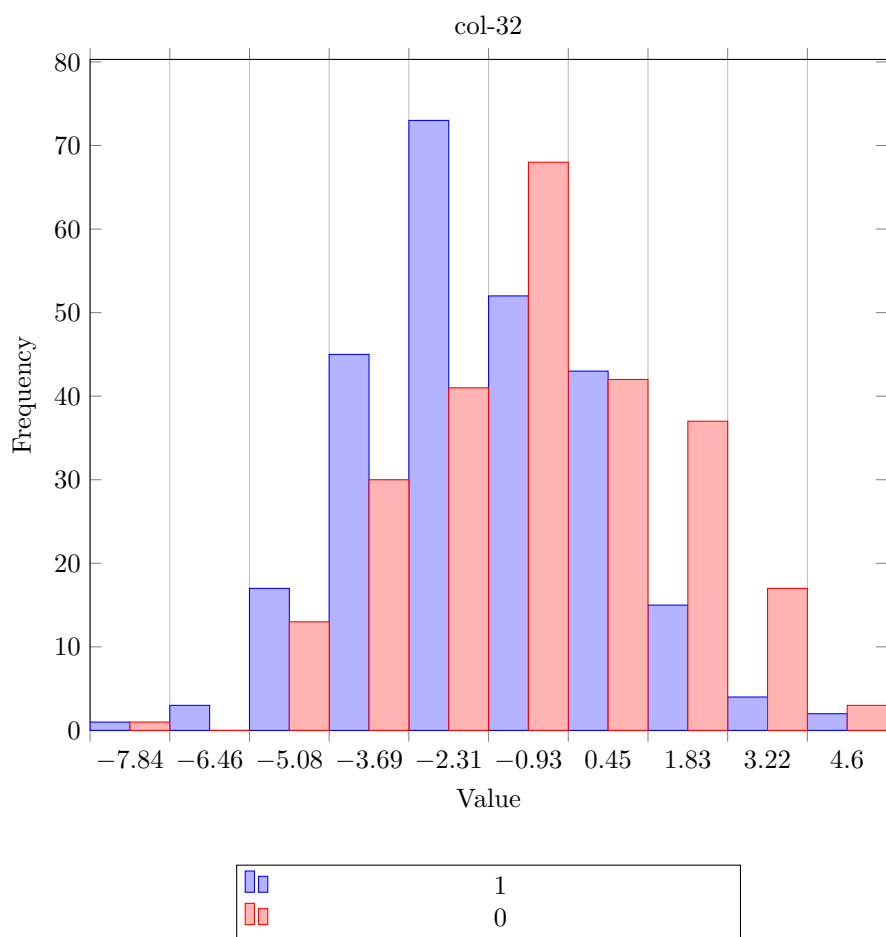


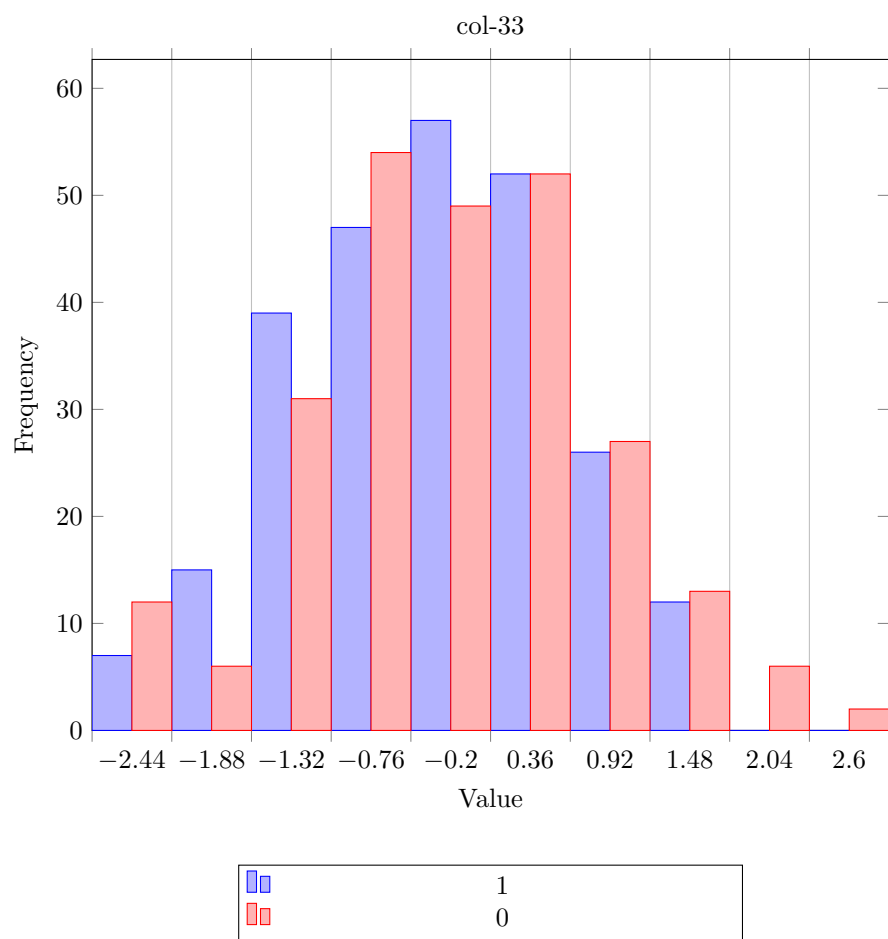


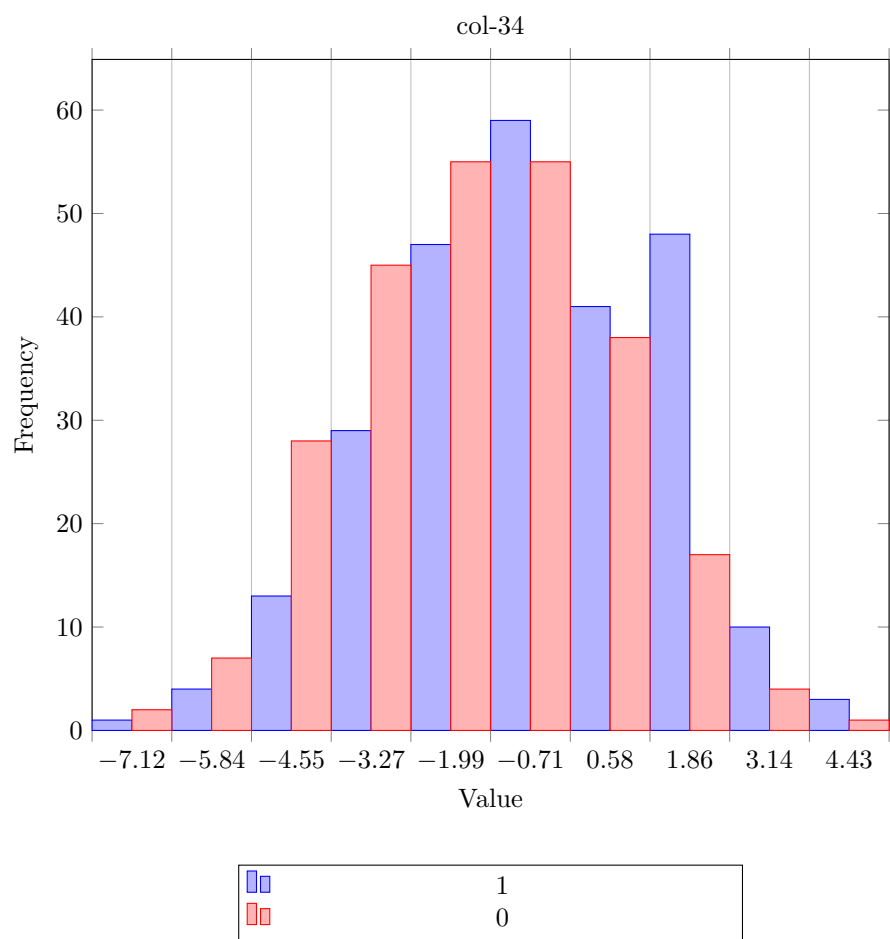


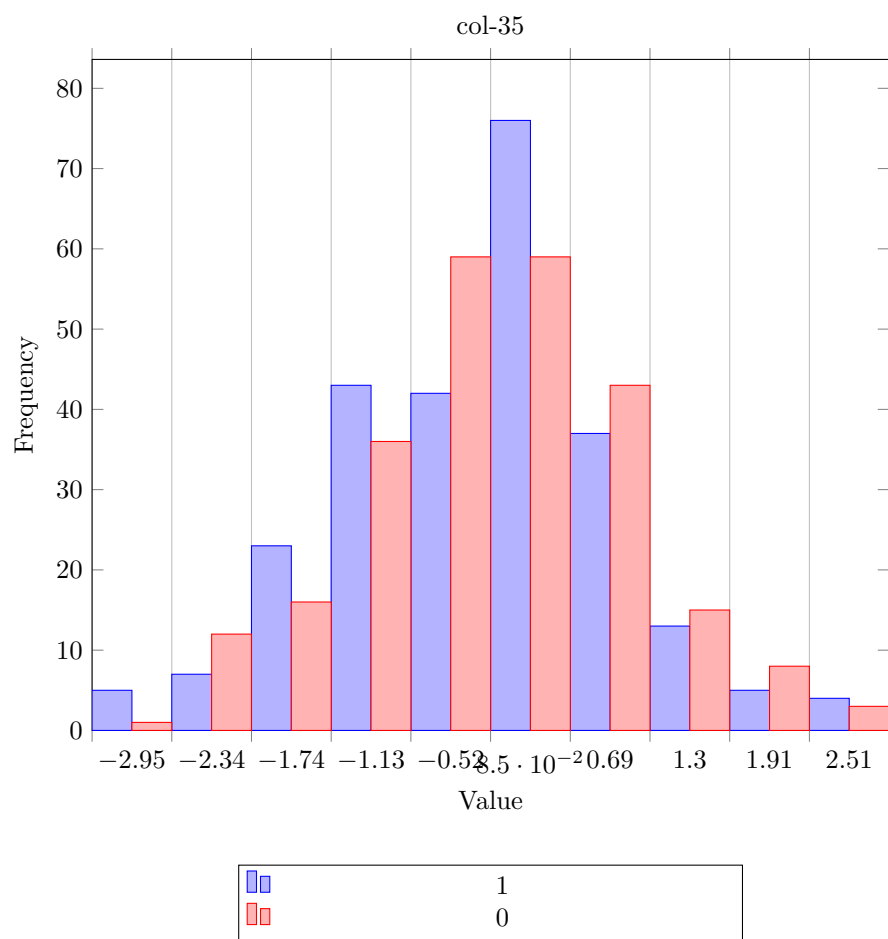


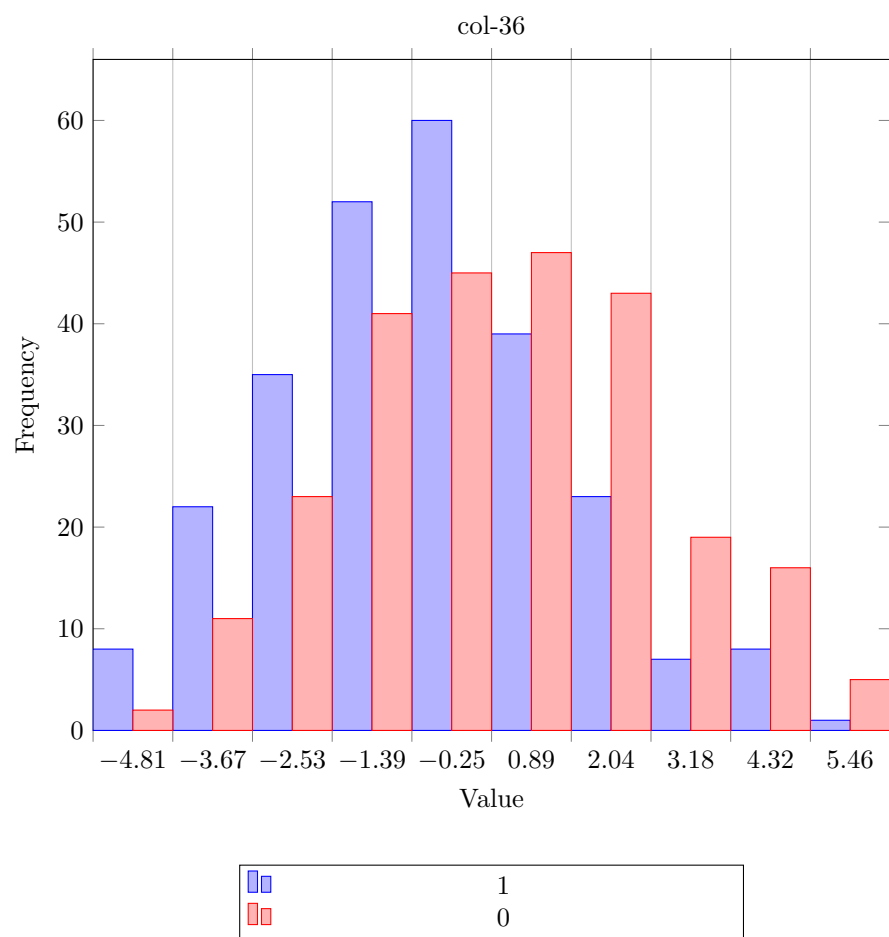


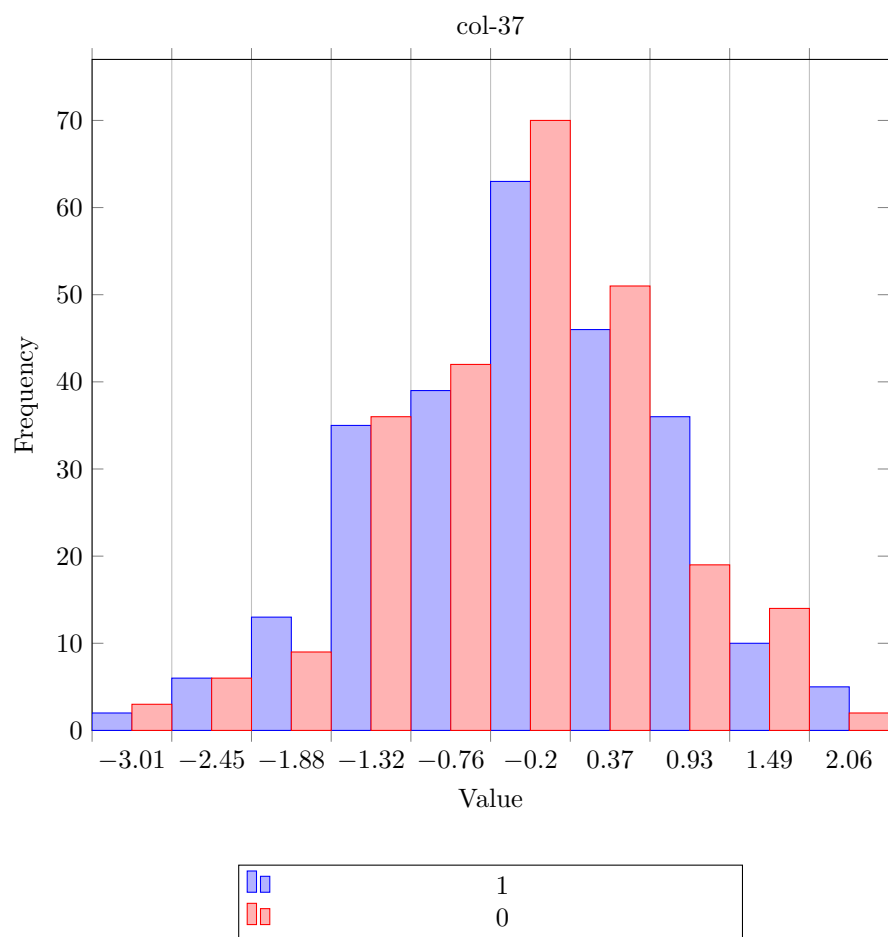


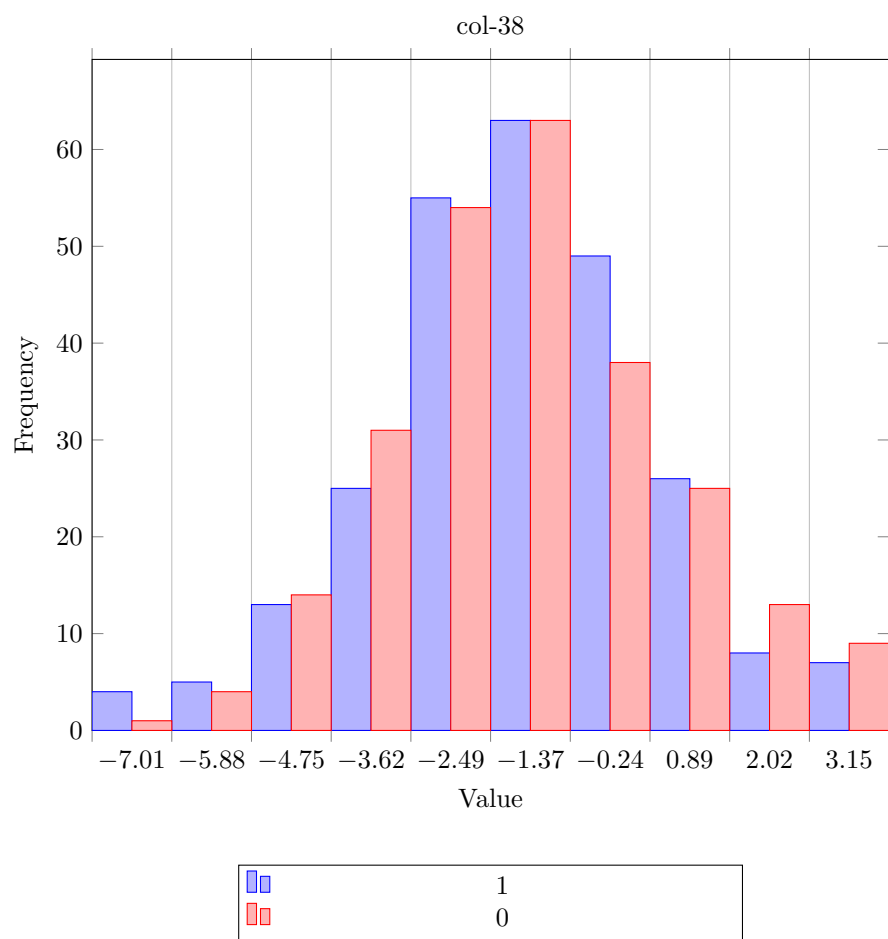


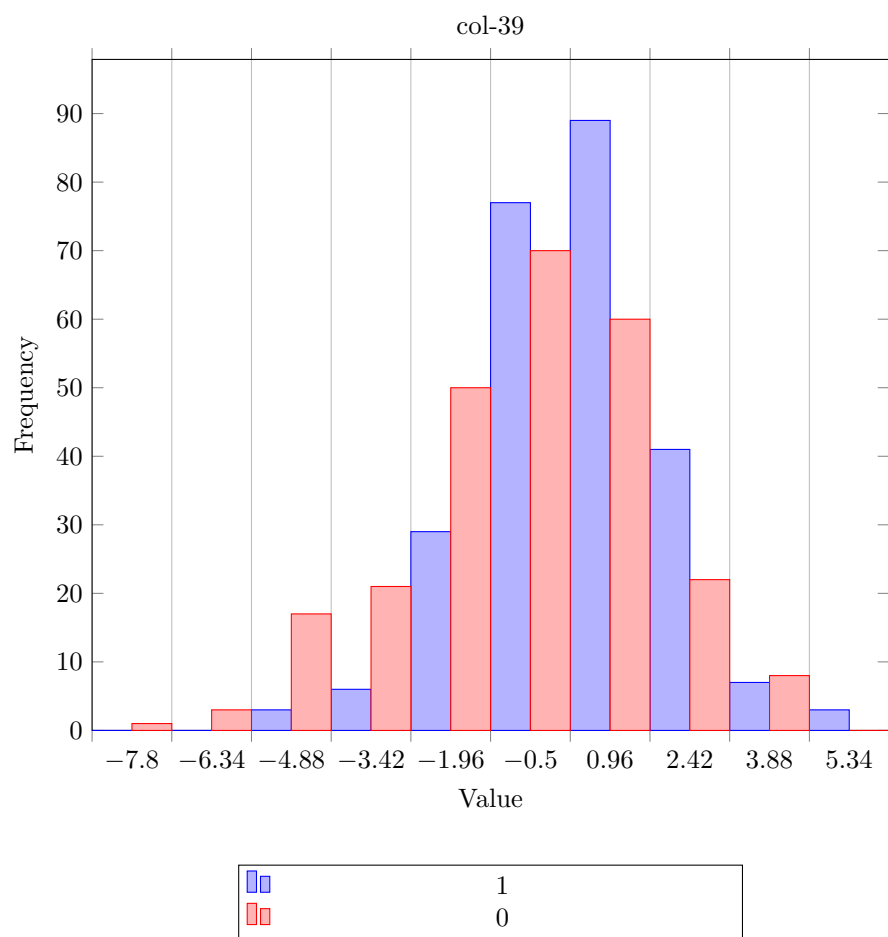












1.3 Categorical Columns

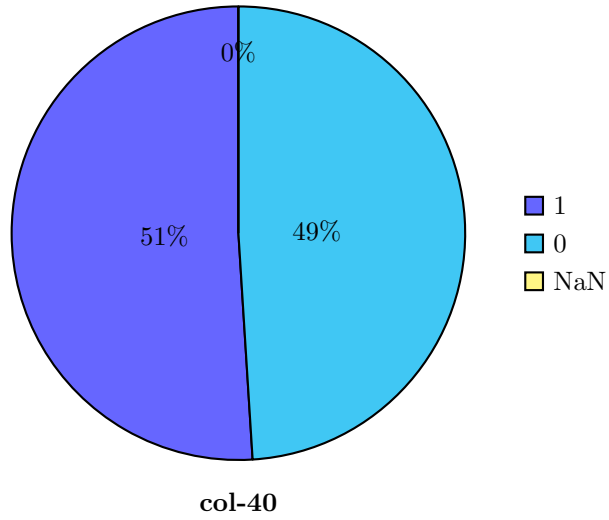


Table 1: Dataset Columns Overview

Column Name	Data Type ¹	NULL
col-0	float	0
col-1	int	0
col-2	int	0
col-3	int	0
col-4	int	0
col-5	float	0
col-6	int	0
col-7	int	0
col-8	float	0
col-9	float	0
col-10	int	0
col-11	int	0
col-12	float	0
col-13	int	479
col-14	int	493
col-15	float	493
col-16	float	493
col-17	float	493
col-18	int	493
col-19	int	493
col-20	int	493
col-21	float	493
col-22	float	493
col-23	int	493
col-24	float	493
col-25	float	493
col-26	float	493
col-27	float	493
col-28	int	493
col-29	int	493
col-30	float	493
col-31	float	493
col-32	int	493
col-33	float	493
col-34	int	493
col-35	float	493
col-36	int	493
col-37	int	493
col-38	int	493
col-39	float	493
col-40	int	0

Note: Blue represents continuous variables, Red represents categorical variables.

Column Name	Mean	Median	Min	Max	Variance	Std	Outliers
col-0	0.0256	0.0279	-3.37	3.33	1.02	1.01	4
col-1	-0.0245	-0.0332	-3.49	3.58	1.03	1.02	7
col-2	-0.0241	0.00815	-2.7	2.55	0.958	0.979	0
col-3	-0.00227	0.00233	-3.46	3.09	0.941	0.97	7
col-4	1.09	0.863	-16.4	17.6	20.6	4.54	15
col-5	-0.00625	0.027	-3.04	3.1	0.977	0.989	3
col-6	0.497	0.582	-7.22	7.59	4.48	2.12	7
col-7	-0.0379	0.0188	-6.51	7.13	4.98	2.23	8
col-8	0.0264	0.0221	-3.15	3.15	1	1	2
col-9	-0.0036	-0.0361	-2.75	3.92	1.03	1.01	6
col-10	-0.0162	0.0195	-3.3	3.41	1.05	1.03	6
col-11	-0.038	-0.076	-3.16	3.25	0.971	0.985	5
col-12	-1.99	-2.1	-14.7	12.2	20.5	4.53	4
col-13	0.0178	0.0172	-2.89	3.74	1	1	3
col-14	0.00846	-0.0454	-6.79	5.91	4.48	2.12	4
col-15	-0.0159	-0.0145	-2.91	3.1	1.07	1.04	4
col-16	0.0601	0.0787	-3.46	2.64	0.947	0.973	2
col-17	0.0105	0.0555	-2.94	3.29	1.01	1.01	10
col-18	0.344	0.265	-8.26	5.72	4.71	2.17	7
col-19	0.0384	0.0877	-2.83	2.69	0.957	0.978	5
col-20	0.0569	0.0696	-4.25	2.82	1.04	1.02	2
col-21	0.0386	0.0706	-2.82	3.04	0.97	0.985	3
col-22	0.942	1.02	-6.34	7.24	4.21	2.05	12
col-23	0.781	0.86	-12.2	14.4	18	4.24	9
col-24	-0.0503	-0.0542	-3.22	2.98	1.07	1.03	4
col-25	0.0203	-0.00423	-2.82	3.65	1.05	1.02	2
col-26	-0.0309	-0.0291	-3.02	2.52	1.03	1.02	4
col-27	-0.0416	-0.000326	-3.02	3.07	1.01	1.01	4
col-28	-0.39	-0.496	-8.03	7.26	5.29	2.3	7
col-29	0.135	0.0306	-7.11	8.81	5.7	2.39	8
col-30	0.0159	0.0348	-3.38	2.65	1	1	1
col-31	0.0755	0.106	-2.49	3.69	0.93	0.965	2
col-32	-0.53	-0.55	-7.84	5.98	4.87	2.21	3
col-33	0.0235	0.000173	-2.44	3.16	0.971	0.986	1
col-34	-0.478	-0.491	-7.12	5.71	4.62	2.15	3
col-35	0.0765	0.138	-2.95	3.12	1.03	1.02	8
col-36	0.469	0.361	-4.81	6.6	4.84	2.2	2
col-37	0.0251	0.0913	-3.01	2.62	0.927	0.963	5
col-38	-0.887	-0.84	-7.01	4.28	3.92	1.98	8
col-39	0.564	0.757	-7.8	6.8	4.13	2.03	16

Table 2: Data types and null value counts for each column.