

Data Quality Report

Profile Report

Column	Data Type	Missing Values	Unique Values	Mean	Median	Std Dev
PatientID	object	0	200	nan	nan	nan
Age	int64	0	68	53.15	53.5	22.18713240193753
Gender	object	0	6	nan	nan	nan
AdmissionDate	object	0	190	nan	nan	nan
DischargeDate	object	0	4	nan	nan	nan
Diagnosis	float64	20	180	102.06957123811553	103.24515052821329	17.980830125721706
LabResult1	float64	0	191	5.791406770537578	5.563801292632213	1.7722137082903038
LabResult2	object	21	3	nan	nan	nan
Medication	int64	0	200	100.5	100.5	57.879184513951124
Readmitted	object	0	2	nan	nan	nan

Validation Rules

Total Anomalies Detected (Both Methods)

Count: 6

PatientID	Age	Gender	AdmissionDate	DischargeDate	Diagnosis	LabResult1	LabResult2	Medication	Readmitted	isolation_forest_anomaly	kmeans_cluster	kmeans_anomaly	combined_anomaly
6	41	Female	2023-01-06	2023-01-07	Asthma	nan	4.68368609536731	Med C	No	-1	0	1	1
41	26	Unknown	2023-02-10	2023-02-11	Diabetes	nan	4.066875487785097	Med C	No	-1	0	1	1
67	79	Male	2023-03-08	2023-03-09	Healthy	nan	8.415817274384763	Med A	No	-1	0	1	1
164	19	Male	2023-06-13	2023-06-14	COVID-19	nan	3.4365507919453355	Med A	No	-1	0	1	1

194	88	Female	2023-07-13	2023-07-14	Diabetes	nan	5.164601121039952	Med A	No	-1	0	1	1
199	18	Female	2023-07-18	2023-07-19	Diabetes	61.40603137923484	7.128228129062666	nan	No	-1	0	1	1

Anomalies Detected Only by Isolation Forest

Count: 4

PatientID	Age	Gender	AdmissionDate	DischargeDate	Diagnosis	LabResult1	LabResult2	Medication	Readmitted	isolation_forest_anomaly	kmeans_cluster	kmeans_anomaly	combined_anomaly
34	24	Male	2023-02-03	2023-02-04	Healty	129.41955207945455	11.534855101209908	Med B	No	-1	1	0	0
54	23	Female	2023-02-23	2023-02-24	COVID-19	86.31807615085752	11.534855101209908	nan	Yes	-1	1	0	0
183	33	Male	2023-07-02	2023-07-03	Hypertension	107.1937138664963	11.534855101209908	Med A	No	-1	1	0	0
184	76	Female	2023-07-03	2023-07-04	Asthma	123.74546190934802	11.534855101209908	Med B	No	-1	1	0	0

Anomalies Detected Only by K-Means

Count: 180

PatientID	Age	Gender	AdmissionDate	DischargeDate	Diagnosis	LabResult1	LabResult2	Medication	Readmitted	isolation_forest_anomaly	kmeans_cluster	kmeans_anomaly	combined_anomaly
1	69	Unknown	2023-01-01	2023-01-02	COVID-19	105.13685377011272	7.0965262759229	Med C	No	1	0	1	0

3	89	Female	2023-01-03	2023-01-04	Healthy	104.7 9306 3683 0307 2	6.361 7182 5790 202	Med B	No	1	0	1	0
4	78	Female	2023-01-04	2023-01-05	Hypertension	102.8 9917 0927 7407 8	7.381 1133 0505 4761	Med B	No	1	0	1	0
5	38	Male	2023-01-05	2023-01-06	Healthy	123.9 4214 4158 5245 1	4.086 6573 5020 9176	Med C	No	1	0	1	0
7	20	Unknown	2023-01-07	2023-01-08	Healthy	90.33 5872 2974 8078	3.484 6488 6159 7852	Med B	No	1	0	1	0
8	39	Unknown	2023-01-08	2023-01-09	COVID-19	120.3 3955 5779 6228 8	4.773 9243 0880 9716	Med B	No	1	0	1	0
9	70	Female	2023-01-09	2023-01-10	Diabetes	88.90 5718 4585 5972	6.414 3027 8372 28	Med B	No	1	0	1	0
10	19	Male	2023-01-10	2023-01-11	Healthy	90.26 1290 8249 9436	5.755 1869 1485 9623	Med C	No	1	0	1	0
11	47	Male	2023-01-11	2023-01-12	Healthy	87.27 2189 5091 813	6.541 4188 4399 5819	Med B	No	1	0	1	0
12	55	Female	2023-01-12	2023-01-13	Diabetes	85.95 6324 5758 3065	4.376 1831 7900 3916	Med B	No	1	0	1	0
13	19	Female	2023-01-13	2023-01-14	COVID-19	104.9 9759 9422 5973 6	4.449 3699 6782 576	Med B	No	1	0	1	0
14	81	Female	2023-01-14	2023-01-15	Hypertension	96.13 1467 5318 4684	5.745 5322 5142 9895	Med B	No	1	0	1	0
15	77	Male	2023-01-15	2023-01-16	Healthy	47.82 7461	4.776 8226	Med C	No	1	0	1	0

						7954 5165	3363 3621						
16	38	Male	2023-01-16	2023-01-14	Diabetes	95.97 6054 0707 5731	7.062 2190 0179 2114	Med B	Yes	1	0	1	0
17	50	Female	2023-01-17	2023-01-18	Asthma	92.23 1316 1629 1548	4.747 0973 3874 7028	Med C	No	1	0	1	0
18	75	Female	2023-01-18	2023-01-19	Diabetes	113.3 9238 0464 4828 4	4.905 5329 0848 2504	Med C	No	1	0	1	0
19	39	Female	2023-01-19	2023-01-20	Asthma	91.55 1120 8280 9455	6.002 6072 9664 2184	Med B	No	1	0	1	0
20	66	Female	2023-01-20	2023-01-21	COVID-19	138.0 8886 6868 1634	5.032 8541 6992 7009	Med B	Yes	1	0	1	0
21	76	Female	2023-01-21	2023-01-22	Hypertension	120.9 5190 3681 5536 5	4.018 0667 2775 5104	Med C	No	1	0	1	0
22	59	Male	2023-01-22	2023-01-20	Diabetes	94.15 1344 1348 5332	4.180 7730 1020 1493	Med B	No	1	0	1	0
23	77	Male	2023-01-23	2023-01-24	Healthy	117.2 4434 6182 4962 4	6.145 3191 5008 8347	Med B	No	1	0	1	0
24	32	Female	2023-01-24	2023-01-25	COVID-19	107.8 7817 5690 3642 2	3.869 5461 8252 5528	nan	No	1	0	1	0
25	79	Female	2023-01-25	2023-01-26	Diabetes	103.5 0198 6947 2036 3	7.176 5973 1305 8573	Med A	No	1	0	1	0
26	79	Male	2023-01-26	2023-01-27	Healthy	112.0 3978 3834 1114 5	4.671 5208 5883 7900 5	Med A	No	1	0	1	0

27	64	Male	2023-01-27	2023-01-25	Diabetes	100.8 1106 3113 9073	6.239 4589 8036 1673	Med B	Yes	1	0	1	0
28	79	Female	2023-01-28	2023-01-29	Asthma	103.6 0526 7341 1621 6	4.743 5048 5116 4439	nan	No	1	0	1	0
29	68	Male	2023-01-29	2023-01-30	Typ0	112.3 5028 7744 1844 8	4.401 7103 4400 4362	Med A	No	1	0	1	0
30	72	Male	2023-01-30	2023-01-31	Typ0	130.7 8679 1126 1823 5	5.795 3244 1874 8218	Med A	No	1	0	1	0
31	81	Female	2023-01-31	2023-02-01	Diabetes	103.7 6792 4583 2951 3	6.762 1401 6041 908	Med A	No	1	0	1	0
32	20	Female	2023-02-01	2023-02-02	COVID-19	93.19 3050 0254 1766	5.203 1586 9896 7874	Med A	No	1	0	1	0
33	68	Female	2023-02-02	2023-01-31	Diabetes	69.56 1537 1735 9017	5.421 4271 7549 1048	Med A	No	1	0	1	0
35	38	Female	2023-02-04	2023-02-05	Typ0	96.05 1374 3114 206	6.508 6327 0030 1868	Med B	No	1	0	1	0
36	56	Male	2023-02-05	2023-02-06	Asthma	108.0 2213 9351 219	5.453 8099 3597 631	Med A	No	1	0	1	0
37	35	Male	2023-02-06	2023-02-07	Diabetes	128.5 8860 8553 9049 2	4.967 8241 2901 7654	Med B	No	1	0	1	0
38	21	Female	2023-02-07	2023-02-08	COVID-19	103.4 1403 4813 9573 6	5.599 1871 5133 4038	Med A	No	1	0	1	0
39	77	Female	2023-02-08	2023-02-09	COVID-19	97.07 9946	5.270 9062	Med B	Yes	1	0	1	0

						0718 378	1033 3988 5						
40	31	Female	2023-02-09	2023-02-10	Healthy	121.2 9509 4663 1561 6	5.875 5689 8218 0222	Med B	No	1	0	1	0
42	70	Female	2023-02-11	2023-02-12	Asthma	108.7 9158 4070 851	5.832 6178 9523 0496	Med A	No	1	0	1	0
43	19	Male	2023-02-12	2023-02-13	COVID-19	77.15 2586 9429 2359	4.638 0359 0059 5102	Med B	No	1	0	1	0
44	77	Male	2023-02-13	2023-02-14	Diabetes	118.0 8872 8108 6387 8	6.587 0651 3378 8603	Med A	No	1	0	1	0
45	88	Male	2023-02-14	2023-02-15	COVID-19	105.6 3382 1019 8746 7	4.693 0385 8075 5381	Med C	No	1	0	1	0
46	61	Male	2023-02-15	2023-02-16	Typ0	79.42 6159 3041 5315	4.713 8682 7937 0882	Med C	No	1	0	1	0
47	25	Other	2023-02-16	2023-02-17	Asthma	107.2 7641 1674 1991 2	6.034 4785 8929 4088	Med B	No	1	0	1	0
48	64	Male	2023-02-17	2023-02-18	Hypertension	69.06 2114 8913 2376	5.517 0542 6657 9437	Med A	No	1	0	1	0
50	53	Female	2023-02-19	2023-02-20	Healthy	83.47 2178 0002 7359	3.544 8368 6733 4897 3	Med A	No	1	0	1	0
51	67	Female	2023-02-20	2023-02-21	Asthma	124.1 7689 1485 7765 4	5.631 8235 3634 5693	Med A	Yes	1	0	1	0
52	21	Female	2023-02-21	2023-02-22	COVID-19	87.80 5666	6.855 5793 8196	Med B	Yes	1	0	1	0

						7782 202	6844 5						
53	19	Female	2023-02-22	2023-02-23	Diabetes	108.4 0338 5664 5608	4.806 0232 9248 724	Med A	No	1	0	1	0
55	71	Male	2023-02-24	2023-02-25	Typ0	114.9 5672 8328 4673	4.454 9624 2282 4406	Med C	No	1	0	1	0
56	21	Female	2023-02-25	2023-02-26	Healty	96.47 0218 8713 9122	3.565 6465 8441 9898 3	Med A	No	1	0	1	0
57	71	Male	2023-02-26	2023-02-24	COVID-19	107.0 1669 3193 1156 4	7.119 6455 5277 2834	Med B	No	1	0	1	0
58	80	Male	2023-02-27	2023-02-28	Healty	100.2 2596 5723 6849 2	5.104 4591 8983 231	nan	No	1	0	1	0
59	35	Female	2023-02-28	2023-03-01	Diabetes	79.51 5028 2027 4516	4.962 3674 3223 9724	Med C	No	1	0	1	0
60	61	Male	2023-03-01	2023-03-02	Healty	107.5 6160 2895 3580 2	2.951 0823 1080 3792	Med C	Yes	1	0	1	0
61	51	Female	2023-03-02	2023-03-03	Healty	nan	3.779 5497 1304 5737 4	nan	No	1	0	1	0
62	79	Female	2023-03-03	2023-03-04	Hypertension	nan	7.258 4677 0662 2913	nan	No	1	0	1	0
63	31	Female	2023-03-04	2023-03-05	Hypertension	96.46 2102 8777 3984	5.863 7267 9932 0695	Med C	Yes	1	0	1	0
64	65	Male	2023-03-05	2023-03-06	Hypertension	98.84 8541 3645 75	6.899 8009 9591 0127	Med A	No	1	0	1	0
65	32								No	1	0	1	0

		Unknown	2023-03-06	2023-03-07	Health	125.24389696559405	6.747990927795796	Med B					
66	89	Female	2023-03-07	2023-03-05	Asthma	135.72455191761927	4.299255663312471	Med C	No	1	0	1	0
68	57	Other	2023-03-09	2023-03-10	Asthma	95.69289853864922	7.839679114721475	Med C	No	1	0	1	0
69	70	Other	2023-03-10	2023-03-11	Asthma	94.38008007465784	4.823480269452358	Med A	No	1	0	1	0
70	41	Female	2023-03-11	2023-03-12	Hypertension	87.7198452202213	1.2181536407681417	Med A	No	1	0	1	0
71	43	Male	2023-03-12	2023-03-13	COVID-19	90.62142724669664	5.072161492067108	Med B	Yes	1	0	1	0
72	77	Male	2023-03-13	2023-03-14	Diabetes	95.89585384744048	5.785955514545738	Med A	No	1	0	1	0
73	58	Female	2023-03-14	2023-03-15	Hypertension	129.4637945049235	4.818737158269171	nan	No	1	0	1	0
74	46	Male	2023-03-15	2023-03-16	Hypertension	97.04167493719714	5.234173483978339	Med C	Yes	1	0	1	0
75	32	Male	2023-03-16	2023-03-17	COVID-19	81.60920493702847	4.505610356394646	Med C	No	1	0	1	0
77	82	Female	2023-03-18	2023-03-19	Health	102.67192638641596	5.5763598884422665	Med A	No	1	0	1	0
78	88	Female	2023-03-19	2023-03-20	Health	100.534531897	6.64181687553	Med B	No	1	0	1	0

						7568 4	1544 5						
79	26	Female	2023-03-20	2023-03-21	Hypertension	111.9 9536 8338 7781	6.966 6440 1544 9524	Med B	No	1	0	1	0
80	18	Male	2023-03-21	2023-03-22	Diabetes	101.0 3508 2670 3855	2.890 8117 2309 6024	Med B	No	1	0	1	0
81	25	Female	2023-03-22	2023-03-23	Hypertension	nan	4.575 3733 4699 9076 5	Med A	No	1	0	1	0
82	80	Other	2023-03-23	2023-03-24	Asthma	88.29 4849 6891 3428	4.751 1648 4763 1348	Med B	No	1	0	1	0
84	25	Female	2023-03-25	2023-03-26	Hypertension	103.7 8719 6825 1537 6	5.678 8064 4028 0389	nan	No	1	0	1	0
85	52	Female	2023-03-26	2023-03-24	Healthy	106.0 0328 4556 1055 6	6.475 0727 1563 5677	Med C	No	1	0	1	0
86	52	Female	2023-03-27	2023-03-28	Healthy	88.23 2321 5928 0046	3.243 1698 7687 0586 3	Med B	No	1	0	1	0
87	50	Female	2023-03-28	2023-03-29	Healthy	107.0 7740 4868 9959 4	5.671 8585 4299 7025	Med C	No	1	0	1	0
88	22	Female	2023-03-29	2023-03-30	Asthma	109.7 6597 5850 0545 6	6.673 9515 7853 9509	Med C	No	1	0	1	0
89	58	Male	2023-03-30	2023-03-31	Healthy	82.45 3473 4926 2366	6.534 3581 0207 2187	Med A	No	1	0	1	0
91	24	Female	2023-04-01	2023-04-02	Typ0	nan	5.515 6006 0779 4151	Med C	Yes	1	0	1	0

92	89	Female	2023-04-02	2023-04-03	Diabetes	92.66 8452 6481 6702	5.573 8823 4475 0541	Med B	No	1	0	1	0
93	29	Female	2023-04-03	2023-04-04	Diabetes	103.8 9882 2037 0359 4	3.468 0805 9034 8253	Med B	No	1	0	1	0
94	51	Female	2023-04-04	2023-04-05	Healthy	80.63 4458 9365 2828	4.419 3605 3777 5428	Med A	No	1	0	1	0
95	50	Female	2023-04-05	2023-04-06	COVID-19	nan	5.777 1327 4766 5797	Med B	No	1	0	1	0
96	65	Female	2023-04-06	2023-04-07	COVID-19	103.1 0034 1945 0161 5	4.640 8290 3168 8553	Med A	No	1	0	1	0
97	40	Female	2023-04-07	2023-04-08	COVID-19	nan	6.326 6058 9643 9341	Med C	No	1	0	1	0
98	79	Female	2023-04-08	2023-04-09	Asthma	68.33 9507 1827 4733	6.060 1390 6031 7835	Med A	No	1	0	1	0
99	54	Female	2023-04-09	2023-04-10	Healthy	120.1 4648 2271 6159 7	7.140 8443 0566 6392	Med B	No	1	0	1	0
100	61	Female	2023-04-10	2023-04-11	COVID-19	80.38 5143 9772 4364	6.649 9045 9138 3085	nan	No	1	0	1	0
101	52	Female	2023-04-11	2023-04-12	Asthma	138.5 9987 4281 6564 7	5.772 7136 9096 1481	Med C	No	1	0	1	0
102	82	Male	2023-04-12	2023-04-13	Hypertension	90.63 9749 0666 7131	6.397 5765 2087 4299	Med A	No	1	0	1	0
105	18	Female	2023-04-15	2023-04-16	Asthma	122.1 9150 8917	5.104 8028 0201 6238	Med C	No	1	0	1	0

						43236							
106	22	Male	2023-04-16	2023-04-17	Health	129.79204609340323	5.383808755127907	Med A	Yes	1	0	1	0
107	31	Male	2023-04-17	2023-04-18	Health	77.1538564167947	4.929363347002781	Med B	No	1	0	1	0
108	44	Female	2023-04-18	2023-04-19	Hypertension	82.96201753739129	6.7188243340761815	nan	No	1	0	1	0
109	26	Unknown	2023-04-19	2023-04-20	Type0	103.38995911141043	4.747227349987235	Med A	No	1	0	1	0
110	32	Female	2023-04-20	2023-04-21	Hypertension	nan	7.001981765679789	Med C	No	1	0	1	0
111	59	Male	2023-04-21	2023-04-22	COVID-19	99.83158834930543	5.059632161343541	nan	Yes	1	0	1	0
112	68	Male	2023-04-22	2023-04-23	COVID-19	75.43008946429917	6.06687597140723	Med A	No	1	0	1	0
113	80	Female	2023-04-23	2023-04-24	Type0	107.448672384472	5.699698178515466	Med C	No	1	0	1	0
114	69	Male	2023-04-24	2023-04-25	Diabetes	97.08622917648948	4.32882423005	Med B	No	1	0	1	0
115	21	Male	2023-04-25	2023-04-26	Diabetes	96.906415615662	5.476132324611052	nan	No	1	0	1	0
116	40	Female	2023-04-26	2023-04-27	Asthma	65.83074373284164	5.900372237740717	Med B	No	1	0	1	0
117	32	Female	2023-04-27	2023-04-28	Health	111.962263067	5.4228487	Med C	No	1	0	1	0

						1747 2	7546 7402						
118	60	Male	2023- 04-28	2023- 04-29	COVI D-19	102.1 7806 0904 2818 8	3.888 7521 2979 2459	Med B	No	1	0	1	0
119	46	Fema le	2023- 04-29	2023- 04-27	Diab etes	126.9 2746 8349 5844 4	7.541 7150 9223 1406	Med C	No	1	0	1	0
120	53	Male	2023- 04-30	2023- 05-01	COVI D-19	98.88 2385 3020 324	5.605 2393 7943 4083	Med C	No	1	0	1	0
121	30	Male	2023- 05-01	2023- 05-02	Typ0	108.4 9510 1957 7853 4	4.546 8369 0980 3774	Med B	No	1	0	1	0
122	49	Fema le	2023- 05-02	2023- 05-03	Diab etes	112.4 7727 2641 5789 4	7.444 9216 2816 0729 6	Med C	No	1	0	1	0
123	88	Fema le	2023- 05-03	2023- 05-04	Diab etes	73.80 7576 6200 8213	6.240 8677 7166 4391	Med A	No	1	0	1	0
124	76	Fema le	2023- 05-04	2023- 05-05	Healt hy	139.2 5049 9199 0239	4.059 7960 0431 8069	Med A	No	1	0	1	0
125	45	Fema le	2023- 05-05	2023- 05-06	Hype rtensi on	93.53 8114 1811 6076	4.246 6063 0432 0146	Med A	No	1	0	1	0
126	83	Other	2023- 05-06	2023- 05-07	COVI D-19	107.4 1849 9032 1372 8	5.233 1263 3613 4589	Med B	No	1	0	1	0
127	59	Fema le	2023- 05-07	2023- 05-08	Healt hy	nan	5.856 7683 7461 9786 5	Med A	No	1	0	1	0
128	62	Male	2023- 05-08	2023- 05-09	Healt hy	87.77 8238 0801 4554	6.247 3597 9775 6706	nan	Yes	1	0	1	0

130	74	Male	2023-05-10	2023-05-11	Health	103.9 8932 9040 3164 8	6.147 4868 8768 0171	Med C	No	1	0	1	0
131	23	Male	2023-05-11	2023-05-12	Health	96.79 7910 4463 9	7.116 0951 7436 9194	Med A	No	1	0	1	0
132	45	Male	2023-05-12	2023-05-13	Asthma	102.0 7761 9435 8266 3	5.652 1517 9161 6563	Med C	No	1	0	1	0
133	45	Male	2023-05-13	2023-05-14	COVID-19	111.4 6378 2979 1353 6	4.588 4327 4342 6133	nan	No	1	0	1	0
134	61	Other	2023-05-14	2023-05-15	Health	100.1 6197 2472 1455	5.495 9789 5640 9232	Med B	No	1	0	1	0
135	47	Female	2023-05-15	2023-05-16	COVID-19	113.2 2894 8655 7486	5.417 2232 0758 5049 5	Med C	No	1	0	1	0
136	79	Female	2023-05-16	2023-05-17	Asthma	74.72 6917 9154 8391	2.406 1414 8440 5009 7	Med A	No	1	0	1	0
137	79	Male	2023-05-17	2023-05-18	Asthma	nan	4.826 3597 6908 521	Med C	No	1	0	1	0
138	18	Male	2023-05-18	2023-05-19	COVID-19	67.91 7995 2778 6027	5.877 0444 7954 0541	Med A	No	1	0	1	0
139	44	Male	2023-05-19	2023-05-20	Diabetes	129.9 5512 2352 6442	4.990 9413 2174 5857	nan	No	1	0	1	0
140	79	Male	2023-05-20	2023-05-21	Hypertension	129.7 5988 1915 274	4.724 5487 6581 2401 5	Med A	No	1	0	1	0
141	20	Female	2023-05-21	2023-05-22	Diabetes	nan	6.593 6514	Med B	No	1	0	1	0

							3496 5476 5						
142	87	Unknown	2023-05-22	2023-05-23	Diabetes	84.81 0728 9363 0453	4.400 1450 1026 9473	Med C	No	1	0	1	0
143	89	Female	2023-05-23	2023-05-21	Diabetes	135.8 4817 4083 2748 4	6.353 9471 8056 4988	Med A	No	1	0	1	0
144	44	Male	2023-05-24	2023-05-25	Healthy	90.93 3782 8280 2432	3.900 7066 3505 4058 2	Med A	No	1	0	1	0
146	79	Female	2023-05-26	2023-05-27	Diabetes	102.3 9300 1085 9608 3	5.241 1773 6771 8491	Med B	No	1	0	1	0
147	54	Female	2023-05-27	2023-05-28	Asthma	106.7 7273 9130 2845 6	5.112 0816 5284 4733	Med B	No	1	0	1	0
148	68	Female	2023-05-28	2023-05-29	COVID-19	109.6 5703 9025 5647 6	6.871 6790 8346 7902	Med A	Yes	1	0	1	0
149	61	Male	2023-05-29	2023-05-30	Hypertension	110.2 5942 4562 1167 6	4.997 5541 9103 2261	Med B	No	1	0	1	0
150	41	Male	2023-05-30	2023-05-31	COVID-19	97.83 2138 7196 9144	7.245 9133 6999 08	Med A	Yes	1	0	1	0
151	76	Male	2023-05-31	2023-06-01	COVID-19	110.0 2151 4276 3506 9	5.945 9125 9658 3832	Med C	No	1	0	1	0
152	49	Female	2023-06-01	2023-06-02	Healthy	97.16 1885 1075 6484	5.357 9225 1934 4525	Med A	No	1	0	1	0
153	69	Male	2023-06-02	2023-06-03		108.6 8955	5.229 9929	Med A	No	1	0	1	0

					Hypertension	15530833	1595555						
154	79	Male	2023-06-03	2023-06-04	COVID-19	107.45937666746164	6.9491106045163145	Med A	No	1	0	1	0
155	75	Male	2023-06-04	2023-06-05	COVID-19	111.4427093619718	5.776584657524204	Med B	Yes	1	0	1	0
156	69	Male	2023-06-05	2023-06-06	Hypertension	109.56950048531448	6.018770477428924	Med C	No	1	0	1	0
157	29	Female	2023-06-06	2023-06-07	Hypertension	93.36351437633054	6.149202247124355	Med B	No	1	0	1	0
158	56	Female	2023-06-07	2023-06-08	COVID-19	106.8806525733852	5.659523422267229	Med A	No	1	0	1	0
159	19	Male	2023-06-08	2023-06-09	Hypertension	109.8009960687233	6.12384667161998	Med C	No	1	0	1	0
160	20	Male	2023-06-09	2023-06-10	COVID-19	80.6331341657694	5.358011892782812	Med C	Yes	1	0	1	0
161	73	Unknown	2023-06-10	2023-06-11	COVID-19	95.88933464153456	5.440229641808109	Med A	No	1	0	1	0
162	76	Male	2023-06-11	2023-06-12	Health	109.121708368275	4.15706208636795	Med C	No	1	0	1	0
163	19	Male	2023-06-12	2023-06-13	Diabetes	125.63938742094432	5.857312301102077	nan	No	1	0	1	0
166	18	Unknown	2023-06-15	2023-06-16	Diabetes	94.02439914734578	5.163260780602223	Med C	No	1	0	1	0
167	36	Female	2023-06-16	2023-06-17	Diabetes	103.75285	5.9495021	Med B	No	1	0	1	0

						7383 7146 4	3134 1173						
168	19	Male	2023-06-17	2023-06-18	Diabetes	nan	4.241 4059 9910 1989	Med A	No	1	0	1	0
169	70	Male	2023-06-18	2023-06-19	Health	65.10 4724 2975 0334	2.956 7711 5835 3629 6	Med A	No	1	0	1	0
170	61	Female	2023-06-19	2023-06-20	COVID-19	nan	5.078 9616 3163 1753	Med C	No	1	0	1	0
171	49	Female	2023-06-20	2023-06-21	Health	72.08 6351 7871 803	4.244 9047 9737 1482	nan	Yes	1	0	1	0
172	87	Female	2023-06-21	2023-06-22	COVID-19	114.9 5410 1024 1760 4	3.363 3319 8014 7421	Med C	No	1	0	1	0
173	49	Female	2023-06-22	2023-06-23	Health	110.3 0247 6858 1397	6.421 5799 2363 3484	Med B	No	1	0	1	0
174	85	Male	2023-06-23	2023-06-24	Health	64.90 6104 9622 7671	7.421 4858 7257 0448	Med C	No	1	0	1	0
175	72	Male	2023-06-24	2023-06-25	Asthma	65.66 4081 1460 0503	4.543 6582 7707 054	Med B	No	1	0	1	0
176	73	Female	2023-06-25	2023-06-26	Typ0	nan	5.409 0750 0733 4256	Med B	No	1	0	1	0
177	34	Male	2023-06-26	2023-06-27	Hypertension	118.2 2083 0895 2982 2	5.130 6572 5998 4225 5	Med A	No	1	0	1	0
178	55	Female	2023-06-27	2023-06-28	Asthma	86.78 7045 3326 7609	4.709 3218 9362 8556	Med C	No	1	0	1	0
179	41	Female	2023-06-28	2023-06-29	Health	86.77 1816	6.296 4846	Med B	No	1	0	1	0

						5743 3904	5666 5625						
180	86	Female	2023-06-29	2023-06-30	Diabetes	107.6 8907 4585 6433 3	6.712 1697 5251 4342	Med C	No	1	0	1	0
181	87	Male	2023-06-30	2023-07-01	Hypertension	99.80 8837 7426 7448	4.457 6713 7288 1275	Med A	No	1	0	1	0
182	28	Female	2023-07-01	2023-07-02	Hypertension	115.8 1592 8237 7367 1	5.553 7202 4051 3885	Med A	No	1	0	1	0
185	87	Female	2023-07-04	2023-07-05	Healthy	114.5 5116 6668 7059	6.505 2369 2608 0586 5	nan	No	1	0	1	0
186	20	Male	2023-07-05	2023-07-06	Healthy	110.8 1159 5737 1086 6	7.141 5823 6893 0897	Med A	No	1	0	1	0
187	37	Other	2023-07-06	2023-07-07	Diabetes	94.71 8129 1954 4487	7.125 8142 0684 79	Med C	Yes	1	0	1	0
188	76	Female	2023-07-07	2023-07-08	Diabetes	93.62 0181 4875 7232	6.734 3711 5636 3679	Med B	No	1	0	1	0
189	53	Male	2023-07-08	2023-07-09	Hypertension	nan	5.673 9248 9773 7417	Med C	Yes	1	0	1	0
190	36	Male	2023-07-09	2023-07-10	Diabetes	127.6 1414 6049 0581 2	5.041 0203 7905 0289	Med A	No	1	0	1	0
191	84	Male	2023-07-10	2023-07-11	Asthma	93.90 5879 0591 5324	5.624 1733 1837 5823	Med C	Yes	1	0	1	0
192	36	Male	2023-07-11	2023-07-09	Healthy	103.9 0793 4806 1102 3	4.858 7119 7677 1958	Med C	No	1	0	1	0

193	37	Male	2023-07-12	2023-07-13	Hypertension	66.32795638439036	3.1570157523871814	Med A	No	1	0	1	0
195	69	Male	2023-07-14	2023-07-15	Asthma	133.85797421639708	5.929031492604664	Med C	Yes	1	0	1	0
196	50	Male	2023-07-15	2023-07-16	Asthma	85.99542836105613	4.795276698680586	nan	Yes	1	0	1	0
197	57	Female	2023-07-16	2023-07-17	Diabetes	147.61663205690138	5.268664255313671	Med A	No	1	0	1	0
198	56	Male	2023-07-17	2023-07-18	Healthy	nan	5.315155940839921	Med C	No	1	0	1	0
200	28	Male	2023-07-19	2023-07-20	Hypertension	94.21692640048131	5.068675271170117	Med C	No	1	0	1	0

Imputation Suggestions

- LabResult1: Use Mean
- Medication: Use Mode

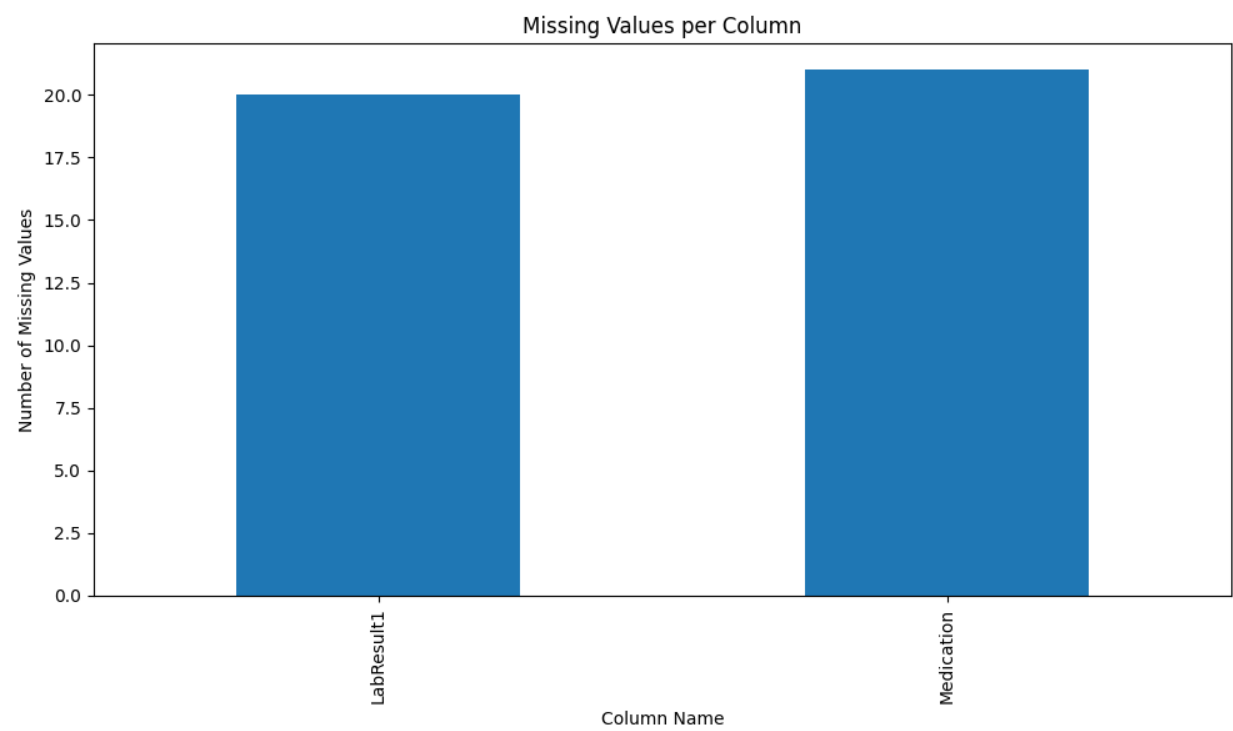
Date Validations

Date Sequencing Results

Columns AdmissionDate and DischargeDate: Forward Sequences = 190, Backward Sequences = 10

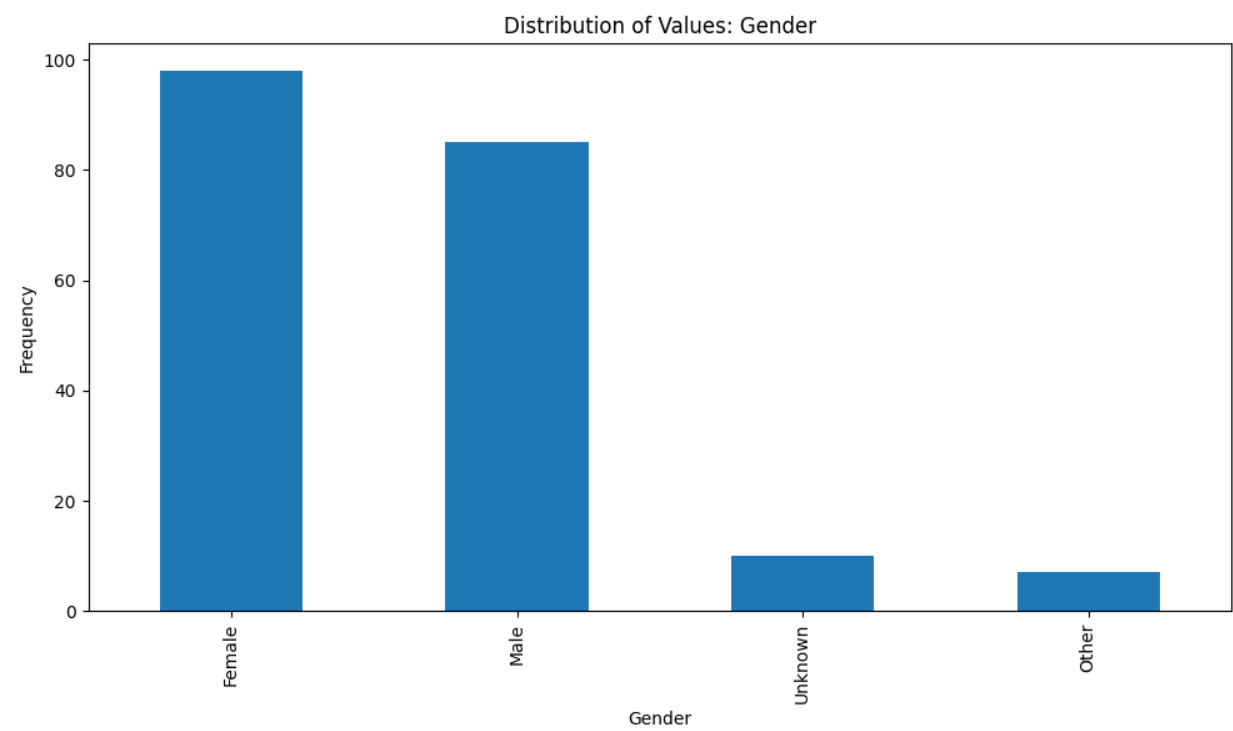
Forward sequences are greater means the second date is later than the first.

Missing Values

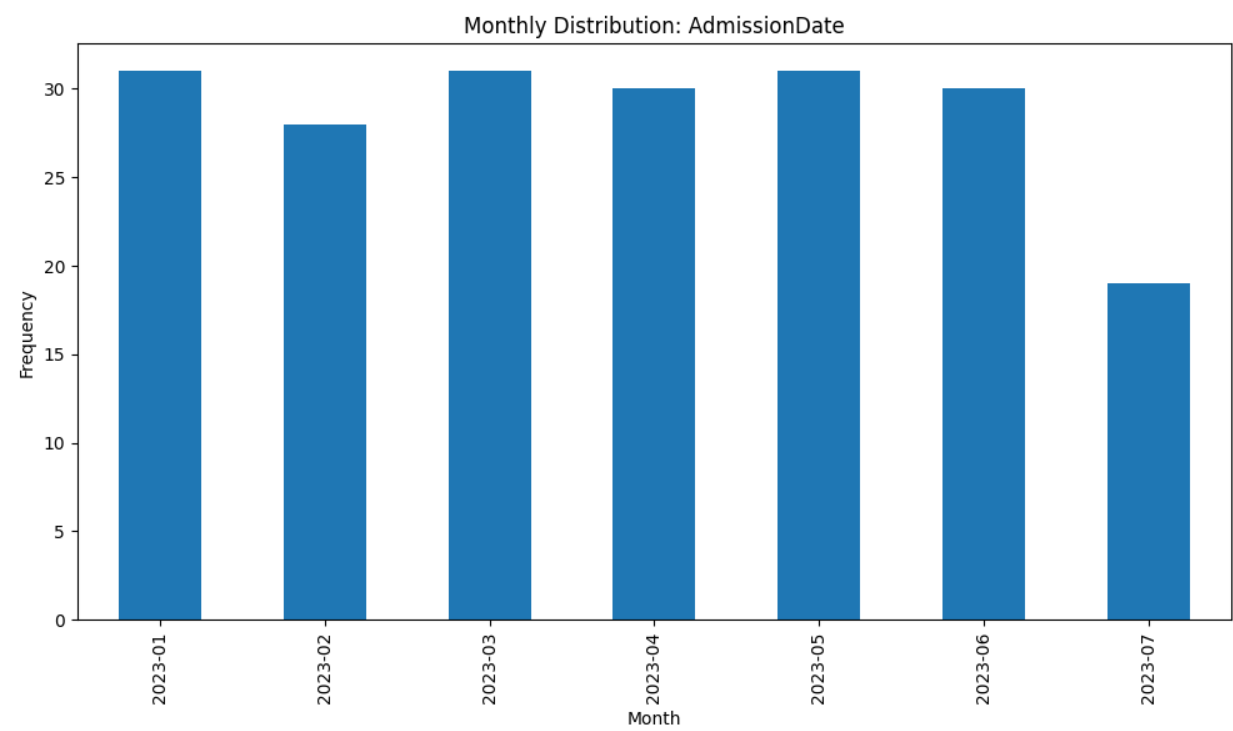


Value Distributions

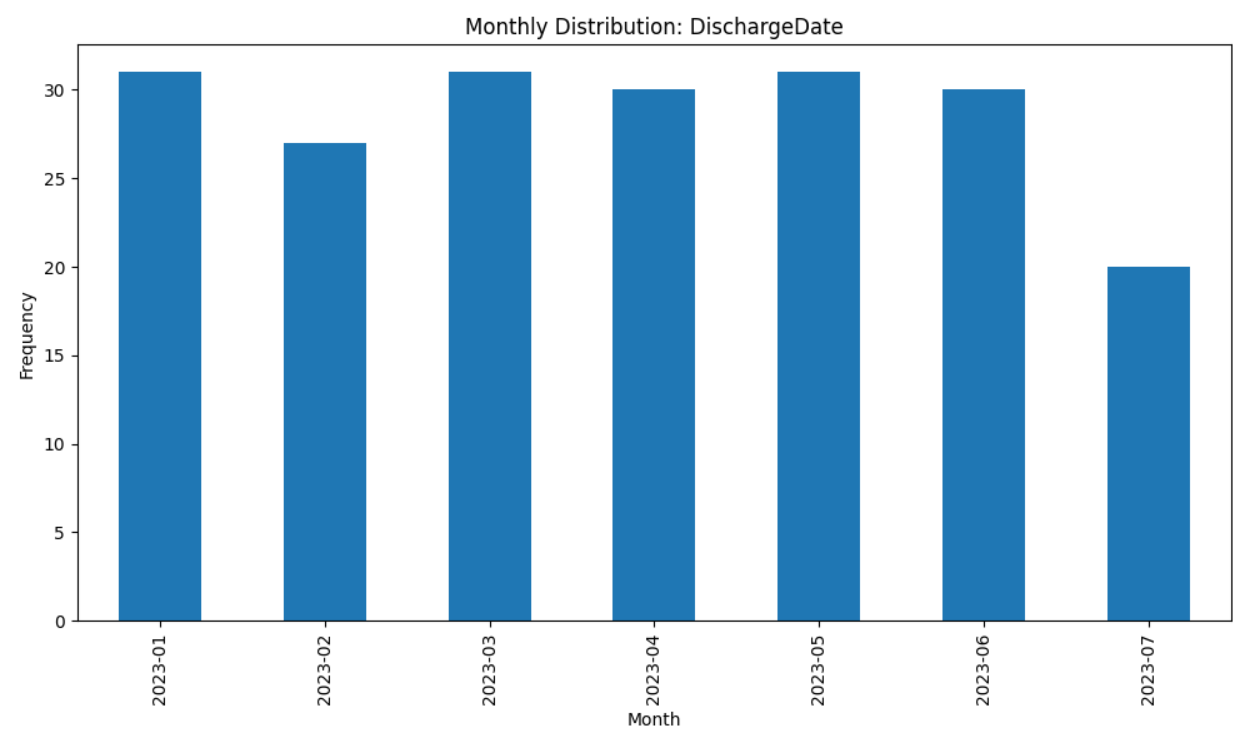
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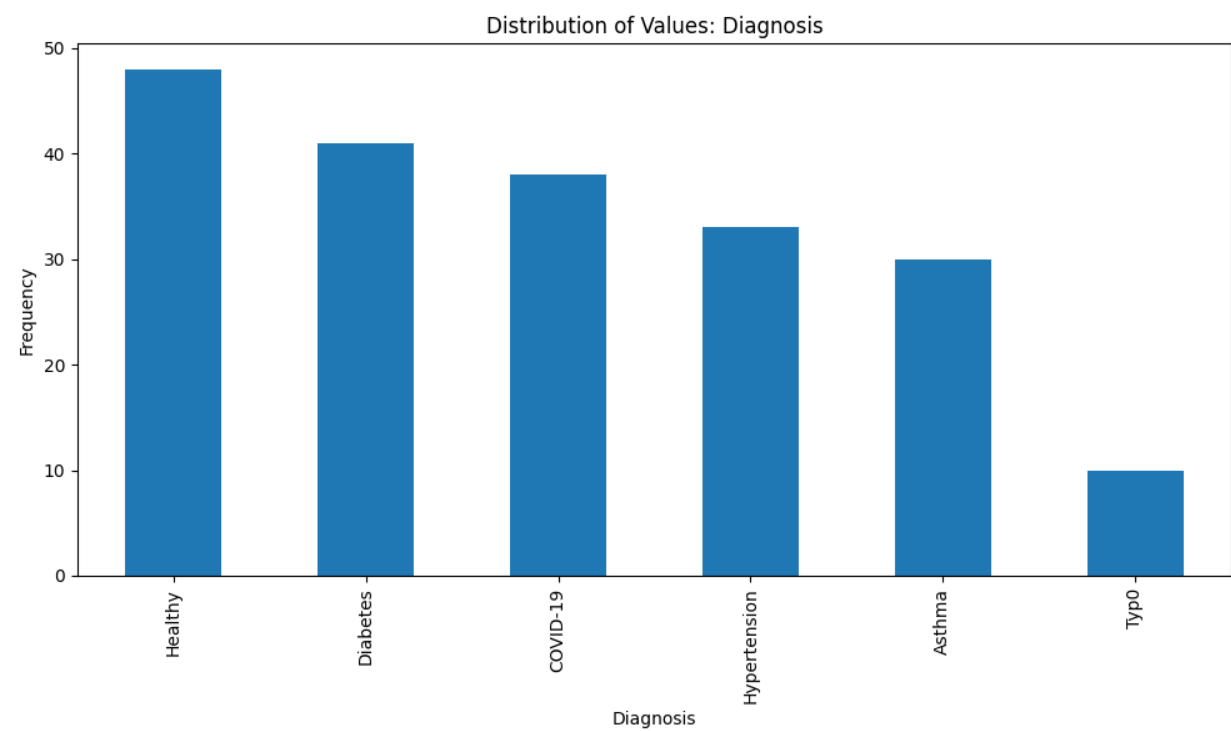
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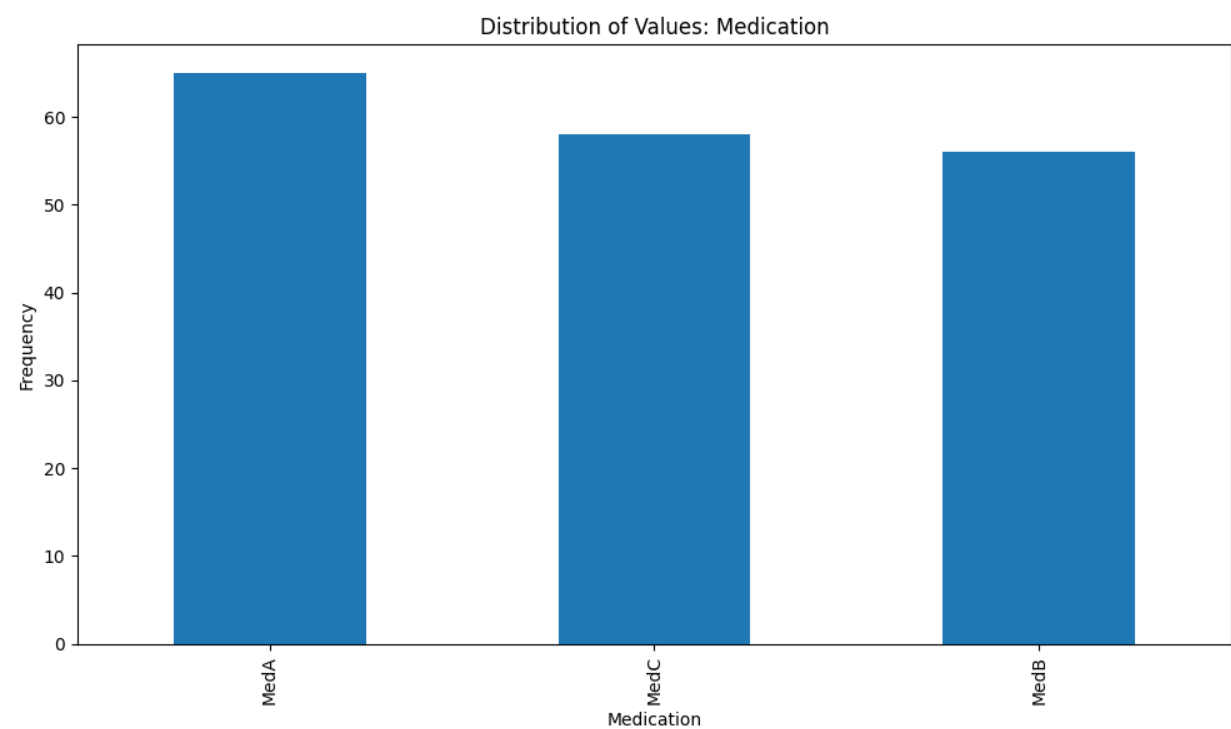
DischargeDate



Diagnosis



Medication



Readmitted

