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	22.1871324 0193753
Gender	object	0	6	nan	nan	nan
AdmissionD ate	object	0	190	nan	nan	nan
DischargeD ate	object	0	4	nan	nan	nan
Diagnosis	float64	20	180	102.069571 23811553	103.245150 52821329	17.9808301 25721706
LabResult1	float64	0	191	5.79140677 0537578	5.56380129 2632213	1.77221370 82903038
LabResult2	object	21	3	nan	nan	nan
Medication	int64	0	200	100.5	100.5	57.8791845 13951124
Readmitted	object	0	2	nan	nan	nan

Validation Rules

Total Anomalies Detected (Both Methods)

Count: 4

Patie ntID	Age	Gend er	l	Disc harg eDat e	Diag nosi s	LabR esult 1			Read mitte d	isola tion_ fores t_an omal y	IIS_CI	ns_a nom alv	com bine d_an omal y
34	24	Male	ı	2023- 02-04		129.4 1955 2079 4545 5	11.53 4855 1012 0990 8	Med B	No	-1	1	0	1
54	23	Fema le		2023- 02-24		86.31 8076 1508 5752	11.53 4855 1012 0990 8	nan	Yes	-1	1	0	1
183	33	Male	2023- 07-02	2023- 07-03	Hype rtensi on	107.1 9371 3866 4963	11.53 4855 1012 0990 8	Med A	No	-1	1	0	1
184	76	Fema le	l	2023- 07-04		4546	11.53 4855 1012	Med B	No	-1	1	0	1

			3480	0990				l
			2	8				l

Anomalies Detected Only by Isolation Forest

Count: 6

Patie ntID	Age	Gend er	l	Disc harg eDat e	Diag nosi s	LabR esult 1			Read	isola tion_ fores t_an omal y	kmea ns_cl uster	kmea ns_a nom aly	com bine d_an omal y
6	41	Fema le	l	2023- 01-07		nan		Med C	No	-1	0	1	0
41	26	Unkn own	l	2023- 02-11		nan	4.066 8754 8778 5097		No	-1	0	1	0
67	79	Male	ı	2023- 03-09		nan		Med A	No	-1	0	1	0
164	19	Male	ı	2023- 06-14		nan	3.436 5507 9194 5335 5	Med A	No	-1	0	1	0
194	88	Fema le	l	2023- 07-14		nan		Med A	No	-1	0	1	0
199	18	Fema le	l	2023- 07-19		6031 3792	7.128 2281 2906 2666	nan	No	-1	0	1	0

Anomalies Detected Only by K-Means

Count: 10

Patie ntID	Age	Gend er	nDat	eDat	Diag nosi s	LabR esult 1	esuit	Medi catio n	Read mitte	l.	kmea ns_cl uster	ктеа ns_a	com bine d_an omal y
2	32	Male	2023- 01-02	2023- 01-03	Hype rtensi on			Med	No	1	1	0	0
49	52							nan	No	1	1	0	0

		Fema le	2023- 02-18	2023- 02-19	1	135.1 2962 8037 6949 4	8.231 9819 5167 8605						
76	62	Fema le	2023- 03-17		1	100.6 2497 9006 8807 4	11.53 4855 1012 0990 8	Med C	No	1	1	0	0
83	28	Male	2023- 03-24	2023- 03-25	rtonci	126.7 1094 1572 1783 4	8.585 6468 3162 6539	Med B	No	1	1	0	0
90	45	Male		2023- 04-01	1	75.11 3626 1741 8516	11.53 4855 1012 0990 8	Med C	No	1	1	0	0
103	64	Male	2023- 04-13	2023- 04-14	Hype rtensi on	2340	11.53 4855 1012 0990 8	Med A	No	1	1	0	0
104	20	Male	ı	2023- 04-15	ı		11.53 4855 1012 0990 8	Med A	Yes	1	1	0	0
129	79	Fema le	2023- 05-09	2023- 05-10	неап	0470 4971	11.53 4855 1012 0990 8	Med A	No	1	1	0	0
145	26	Fema le	2023- 05-25	ı	ı	1893	_		No	1	1	0	0
165	71	Unkn own	2023- 06-14	ı	ı	126.5 8566 9804 6639 4	11.53 4855 1012 0990 8	Med C	No	1	1	0	0

Imputation Suggestions

LabResult1: Use MeanMedication: Use Mode

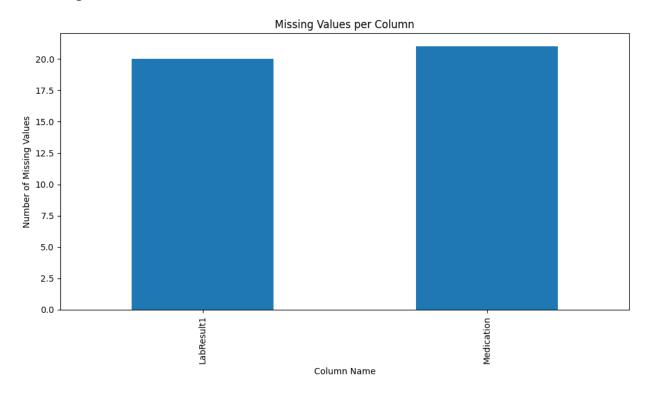
Date Validations

Date Sequencing Results

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

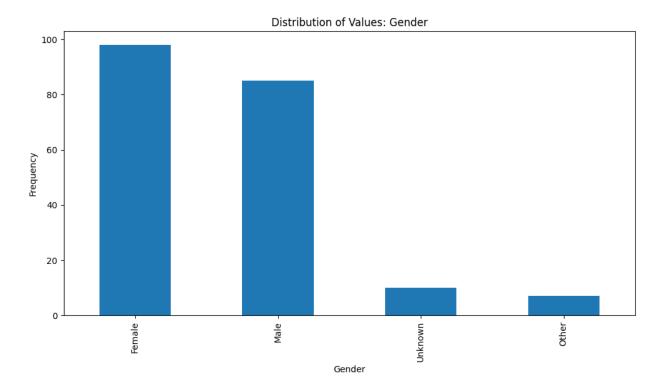
Forward sequences are greater means the second date is later than the first.

Missing Values

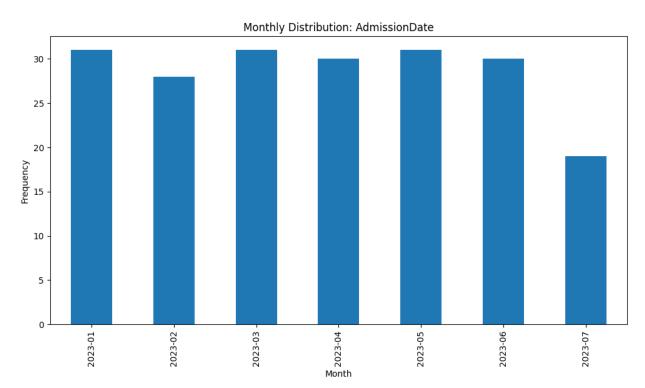


Value Distributions

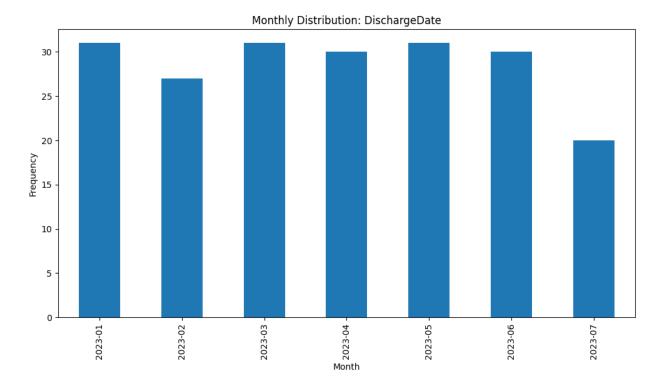
Gender



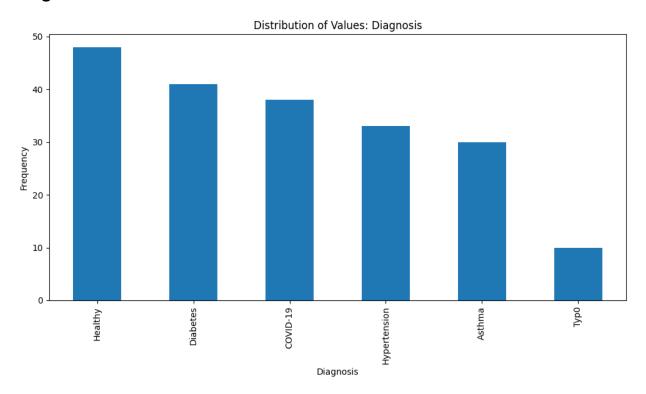
AdmissionDate



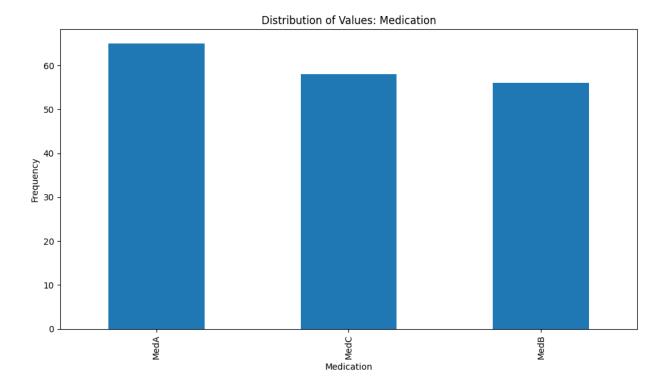
DischargeDate



Diagnosis



Medication



Readmitted

