

# Dataset Report: cancer\_dataset

Filename: cancer\_dataset.csv  
Dataset ID: 3  
Upload Date: 2025-10-06 19:41:35

## Insights Summary

### mean radius

Metric	Value
missing_count	0
mean	14.127291739894552
std_dev	3.5240488262120775
Q1	11.7
Q2 (Median)	13.37
Q3	15.78
Q4 (Max)	28.11
mode	12.34

### mean texture

Metric	Value
missing_count	0
mean	19.289648506151142
std_dev	4.301035768166949
Q1	16.17
Q2 (Median)	18.84
Q3	21.8
Q4 (Max)	39.28
mode	14.93

### mean perimeter

Metric	Value
missing_count	0
mean	91.96903339191564
std_dev	24.298981038754906

Q1	75.17
Q2 (Median)	86.24
Q3	104.1
Q4 (Max)	188.5
mode	82.61

### ***mean area***

Metric	Value
missing_count	0
mean	654.8891036906855
std_dev	351.914129181653
Q1	420.3
Q2 (Median)	551.1
Q3	782.7
Q4 (Max)	2501.0
mode	512.2

### ***mean smoothness***

Metric	Value
missing_count	0
mean	0.0963602811950791
std_dev	0.01406412813767362
Q1	0.08637
Q2 (Median)	0.09587
Q3	0.1053
Q4 (Max)	0.1634
mode	0.1007

### ***mean compactness***

Metric	Value
missing_count	0
mean	0.10434098418277679
std_dev	0.052812757932512194
Q1	0.06492
Q2 (Median)	0.09263

Q3	0.1304
Q4 (Max)	0.3454
mode	0.1147

### ***mean concavity***

Metric	Value
missing_count	0
mean	0.0887993158172232
std_dev	0.07971980870789348
Q1	0.02956
Q2 (Median)	0.06154
Q3	0.1307
Q4 (Max)	0.4268
mode	0.0

### ***mean concave points***

Metric	Value
missing_count	0
mean	0.04891914586994728
std_dev	0.038802844859153605
Q1	0.02031
Q2 (Median)	0.0335
Q3	0.074
Q4 (Max)	0.2012
mode	0.0

### ***mean symmetry***

Metric	Value
missing_count	0
mean	0.18116186291739894
std_dev	0.027414281336035715
Q1	0.1619
Q2 (Median)	0.1792
Q3	0.1957
Q4 (Max)	0.304

mode	0.1601
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### ***mean fractal dimension***

Metric	Value
missing_count	0
mean	0.06279760984182776
std_dev	0.007060362795084459
Q1	0.0577
Q2 (Median)	0.06154
Q3	0.06612
Q4 (Max)	0.09744
mode	0.05667

### ***radius error***

Metric	Value
missing_count	0
mean	0.40517205623901575
std_dev	0.2773127329861039
Q1	0.2324
Q2 (Median)	0.3242
Q3	0.4789
Q4 (Max)	2.873
mode	0.2204

### ***texture error***

Metric	Value
missing_count	0
mean	1.2168534270650264
std_dev	0.5516483926172023
Q1	0.8339
Q2 (Median)	1.108
Q3	1.474
Q4 (Max)	4.885
mode	0.8561

***perimeter error***

Metric	Value
missing_count	0
mean	2.8660592267135327
std_dev	2.0218545540421076
Q1	1.606
Q2 (Median)	2.287
Q3	3.357
Q4 (Max)	21.98
mode	1.778

***area error***

Metric	Value
missing_count	0
mean	40.337079086116
std_dev	45.49100551613181
Q1	17.85
Q2 (Median)	24.53
Q3	45.19
Q4 (Max)	542.2
mode	16.64

***smoothness error***

Metric	Value
missing_count	0
mean	0.007040978910369069
std_dev	0.0030025179438390656
Q1	0.005169
Q2 (Median)	0.00638
Q3	0.008146
Q4 (Max)	0.03113
mode	0.00508

***compactness error***

Metric	Value
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missing_count	0
mean	0.025478138840070295
std_dev	0.017908179325677388
Q1	0.01308
Q2 (Median)	0.02045
Q3	0.03245
Q4 (Max)	0.1354
mode	0.01104

### ***concavity error***

Metric	Value
missing_count	0
mean	0.03189371634446397
std_dev	0.03018606032298841
Q1	0.01509
Q2 (Median)	0.02589
Q3	0.04205
Q4 (Max)	0.396
mode	0.0

### ***concave points error***

Metric	Value
missing_count	0
mean	0.011796137082601054
std_dev	0.006170285174046869
Q1	0.007638
Q2 (Median)	0.01093
Q3	0.01471
Q4 (Max)	0.05279
mode	0.0

### ***symmetry error***

Metric	Value
missing_count	0
mean	0.02054229876977153

std_dev	0.008266371528798399
Q1	0.01516
Q2 (Median)	0.01873
Q3	0.02348
Q4 (Max)	0.07895
mode	0.01344

### ***fractal dimension error***

Metric	Value
missing_count	0
mean	0.0037949038664323374
std_dev	0.002646070967089195
Q1	0.002248
Q2 (Median)	0.003187
Q3	0.004558
Q4 (Max)	0.02984
mode	0.001784

### ***worst radius***

Metric	Value
missing_count	0
mean	16.269189806678387
std_dev	4.833241580469323
Q1	13.01
Q2 (Median)	14.97
Q3	18.79
Q4 (Max)	36.04
mode	12.36

### ***worst texture***

Metric	Value
missing_count	0
mean	25.677223198594024
std_dev	6.146257623038319
Q1	21.08

Q2 (Median)	25.41
Q3	29.72
Q4 (Max)	49.54
mode	17.7

### ***worst perimeter***

Metric	Value
missing_count	0
mean	107.26121265377857
std_dev	33.602542269036356
Q1	84.11
Q2 (Median)	97.66
Q3	125.4
Q4 (Max)	251.2
mode	101.7

### ***worst area***

Metric	Value
missing_count	0
mean	880.5831282952548
std_dev	569.356992669949
Q1	515.3
Q2 (Median)	686.5
Q3	1084.0
Q4 (Max)	4254.0
mode	284.4

### ***worst smoothness***

Metric	Value
missing_count	0
mean	0.13236859402460457
std_dev	0.022832429404835465
Q1	0.1166
Q2 (Median)	0.1313
Q3	0.146



Q4 (Max)	0.2226
mode	0.1216

### ***worst compactness***

Metric	Value
missing_count	0
mean	0.25426504393673116
std_dev	0.157336488913742
Q1	0.1472
Q2 (Median)	0.2119
Q3	0.3391
Q4 (Max)	1.058
mode	0.1486

### ***worst concavity***

Metric	Value
missing_count	0
mean	0.27218848330404216
std_dev	0.2086242806081323
Q1	0.1145
Q2 (Median)	0.2267
Q3	0.3829
Q4 (Max)	1.252
mode	0.0

### ***worst concave points***

Metric	Value
missing_count	0
mean	0.11460622319859401
std_dev	0.06573234119594207
Q1	0.06493
Q2 (Median)	0.09993
Q3	0.1614
Q4 (Max)	0.291
mode	0.0

**worst symmetry**

Metric	Value
missing_count	0
mean	0.2900755711775044
std_dev	0.061867467537518685
Q1	0.2504
Q2 (Median)	0.2822
Q3	0.3179
Q4 (Max)	0.6638
mode	0.2226

**worst fractal dimension**

Metric	Value
missing_count	0
mean	0.0839458172231986
std_dev	0.018061267348893986
Q1	0.07146
Q2 (Median)	0.08004
Q3	0.09208
Q4 (Max)	0.2075
mode	0.07427

**diagnosis**

Metric	Value
missing_count	0