4.21 Logistic Regression

1. Logistic Regression - Full Model Except Mitosis

Risk Factor	β	Odds Ratio (95% CI)	P
Intercept	-11.35782	0.0003401131	4.04e-11
ClumpThickness	0.79749	3.3515995900	0.000148
SizeUniformity	0.07319	1.9660093664	0.811914
ShapeUniformity	0.23077	2.3540391528	0.469514
MarginalAdhesion	0.45577	2.1560072793	0.004255
SingleEpithelialCellSize	-0.28010	1.2529030088	0.277528
BareNuclei	0.51748	2.3503619857	0.002622
BlandChromatin	0.80232	3.8892789403	0.004672
NormalNucleoli	0.37820	2.0862806951	0.037958

Note—Beta (β) indicates regression coefficients
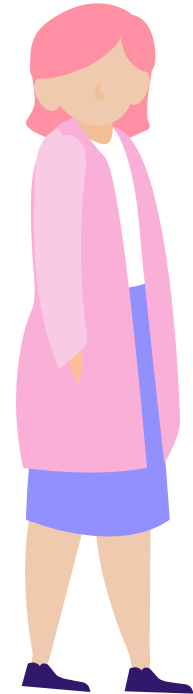
4.21 Logistic Regression

2. Logistic Regression - Optimized Model

Risk Factor	β	Odds Ratio (95% CI)	P
Intercept	-11.6433	0.0002480016	8.49e-12
ClumpThickness	0.8761	3.5527088997	1.17e-05
MaginalAdhesion	0.4561	2.1364558512	0.003182
BareNuclei	0.5655	2.3622081536	0.000164
BlandNucleoli	0.7220	3.4600175464	0.006422
NormalNucleoli	0.3746	1.9056826404	0.006583

Note—Beta (β) indicates regression coefficients