

Project 3: criterion

Things to check		score
Demo part	Run KNN	14
	Run Decision Tree	13
	Run NB	13
	Run Random Forests	15
	Explanation on Competition	5
Report		60
Total		120

Things to check	details		score
Run KNN	Performance metrics: A, P, R, F1		4*2.5
	Q&A		4
Run Decision Tree	Show the tree		9
	Q&A		4
Run NB	Calculate probability		3*3
	Q&A		4
Random Forests	Q&A	Bagging	4
		Random set of features	4
		Combine results	4
	Run		3
Competition	Choose appropriate base algorithm and parameters		2
	Various efforts towards improvement		3

Report Part

Things to check	details	score
Report (4 methods: KNN, Decision Tree, NB, Random Forests)	Algorithms flow	2*4
	Choice description(KNN: K, dis, cat&con; DT: cat-fea, con-fea, best-fea, stop criteria; NB: con-fea, zero-prob; RF: #trees, #fea)	11
	Result analysis, pro and con	3*4
	Cross validation	3
	Clarity	3
Competition	Leaderboard bonus	8
	Choose appropriate base algorithm and parameters	5
	Various efforts toward improvement	10