SCMA - EXAM II

61.	categorical; either the new will cancel or not
	conforcal; ether be user will cancel or not
	cancel their subscription the next month.
. ((b) one real - world feature that can help in
(!!	prediction is no. of hours watched this mouth
	This feature allows to identify low
	ingagement which offen eignals wers
i (c	and excession with moreoses the
1	whele hood of them!
۲,	(c) Pridating how many manutes a user will
	watch nent week is a regression problem.
	This is because you are predicting a
	ant is subu manun suoun that
	minutes watched north week -
0.0	To one political secret of the second of the second second
99.	(a) This challenge is due to down moderate
·///	where most users haven't churned, so the
UN	model might worn to always predict of
	not thurn & to acherne high accuracy.
dby	(b) One way to handle this issue is by using
	recompling techniques or class weighting to
	grue more importance to rare churung
and a second	ases during model training.
	SINARLINE
	AND A STATE OF THE CANAL

- as. (a) This is a time-series problem relating to forecastry return of sales on time-dependent patterns tike I seasonality and trends.
 - (b) rasterns that the model should account for-
 - (1) seasonality (who brack ons spike)
 - (ii) Trends (mexicang/deex earing salls over time)
 - (iii) Holiday (tike divali or christmas etc)
 - (c) It is majored to randomly split this data into training I test sets because random splits break temporal order, which teaks futtine data into training I gives highly optimistic result. It is suggested to use chronological train-test split to preserve time etructure.

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- (i) tenuré: moutre using median or prédictive
 - (ii) 'Plan type': convert to numerical type using one hot encoding or label encoding.
 - (b) Accuracy is not a good evaluation metric for froud detection as it is mediading in mediadined datasets.

to better metric for fraud detection could be - (i) F1 - score, or

(b) roc - AUC

,	(i) F1 - score: It balances precision 4 recall useful when false negatives 4 false portives
	menter
	(ii) ROC - AUC: It measures the model's abortity to
	distinguish between fround + non-fround
	in the dat asots.
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	Sin/aline

