RISPOM Goss Frolleting Standard Process yor Data mining) standard perocess model for data science cyclical & iteratives after finishing one phases to enefine our noork. Phases of CRISP-DH -> Business under standing > Data understanding of Note per processing / pereprotion Evaluation Deployment. 10) Business Unclear tanding. Understanding perollem from business parespective Phases - 0 Determine leusiness objective under stand what business tries to adver eg. Reduce customer chuen, Inc. conversion i occess situation -) identify skikeholder, ensonerces, ensl

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rch pattan.

@ pleternine data science goals: => Translate business -> data ecien la louild chaon perdiction, ment) Produce Project Plan? > plan that outlines timelines, tax 2) slater understanding: Great to collect justial data, enploses. ity quality phoses is Collect Irutial dater: I Grather dater from detalvaser, csvfil des carile data - no. of nows & cols, date types, un loosically structuring of data Explore data ? -) visualize, aulationship b/ce cols, seas EDD + Nisualization.

dentity missing values duplicately invalid

fromat (eg. agr = -5), inconstituted values

(tibeg: 'USA' 'united State') 'us!)

3.) Dota leeprocessing [Improtion.

-> construct final dataset from voue date date is clean, enclosed benight format

The Data cleaning:

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(reary median (2xove), deep cop 18000)

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(C) slata Transform of minimum of the

J Encode Category values (eg. one hot encoding)
-> scaling por maligation (28cove Standard, Min More)

(d) Featury Engineering :

I levild near featury from misting date

O Date Chitignation:
J' Combine multiple datasil into one (eg menge cust detail and trans c. hist)
(1) Dotter Formaltring :
Densure connect dalatypes (gg. consent to datations, styregish, float)
and the sign man to do last tour tour
F) Data Modeling:
THE CAN BE A STATE OF THE STATE
I choosing modeling techniques, trois models
Phase!
Select hodelsing Technique:
ig. pardict et customer will churn.
(b) vlata sperting:
splits into training, validation & test set.
(c) build & Train:
The state of the s
-) use data to train models
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-> actid carebone
3 geurd random, boysia sarch DOM5

	S Evaluate Model
3	final eval.
	give 1000.
	(5) Evaluation:
	problem
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	Disiner Evaluation summany
	(C) Model Compreison table
4	(d) Resks & winitation report (d) Go / No-Go decision
	(b) (318) 100 010 chastan
-	(6) Reploy!
3	(b) Veploy
3) launch the app
3	Phoses
3	
	(a) Deploymet Plan
	(ii) Mode on Inst gut delivery
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2	E User train 2 support
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7	⊃om <i>5</i> "