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propriet control metal and provinced point and provided in the control or and authority and into interest.  Helitation activities a discount and a control metal control in the control or an activated the first activated in the control of the control or and activate and the control or an activate and the control or activate and activate activate and activate and activate and activate activate and activate	<pre>    receipts_</pre>	nput-4810-dc889 version. In addering average specification.  final.to_sql('remail.to_sql('brain addering average specification	receipts_final.  36c079d>:2: Futu dition, single c = receipts_final eceipts',con=eng nds',con=engine) end from receipts with	reWarning: The haracter regulariescolumns.str. ine)	e default val lar expression replace(".",	lue of regex ons will *no "_") epted'or'Reje	cted', which is gr	eater?
Section 1. Communication of the state of the	reater?  In keep the cone below cone  ACCEPTED"  In part from the  CCEPTED =	ode efficient, I have de shows counts of n the original datas e below mentioned FINISHED - REJECTE	e performed both of funique values prese set itself. Based on th l. ED assuming that red	the queries in on ent in the rewards ne data we acquir ceipts are flagged	e single to redu ReceiptStatus c ed, we can calcu	ce the redundate of the column and we ulate for ACCE	ancy and keep it e can see that the PTED, assuming t	clean. eres no status as theres no more
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interest post-section (1950)  intere	status = status.lostatus  STATUS  FINISHED	calculated the avg_ED' in both the concept. DataFrame (x, c['ACCEPTED'] =  AVG_SPENT TOTAL	columns=['STATU status.apply(lau	S','AVG_SPENT	','TOTAL_COUN	IT']).set_in		ACCEPTED' is gi
social field. — Interaction of the control process interactions of the control of	PENDING REJECTED UBMITTED ACCEPTED	28.032449 19.544970 NaN 1224.827964  Evaluate	0.0 167.0 0.0 5753.0 Data Qua	_				d
content of the conten	receipts_ receipts_ len(recei 27 brands_fi brands_fi	<pre>final = receipts final = receipts pts_final.index)  nal = brands_fin nal = brands_fin</pre>	s_final.drop_dup s_final.reset_in ) nal.drop_duplica	licates(subsetdex(drop=True)	=['rewardsRe			])
against in the receipts for learn. Note: there is a high possibility that these brandcodes could be a part of those "TEST BRANDCO mumber" present in brand codes. This can only be clear when the brands table is updated with the correct brand names. A considerable of the second code and the control of the c	receipts_receipts_brands_fibrands_fiere, we are	dropped = receipedropped['rewards']  nal['barcode'] = nal['brandCode']  extracting the brancost 186 brandcodes	pts_final.copy() sReceiptItemList  = brands_final[': ] = brands_final dcodes that are present in receipts	_brandCode'] = barcode'] .app? ['brandCode'] ent in the receipt dataset but not in	receipts_dr  ly(lambda x: apply(lambda s dataset and co	str(x))  x: str(x))  comparing it with the state of the s	th brands datase a quality issue and	t. We can notice d will create issu
INSTANCE AND AND JARREN SEARCH STANCE AND	cognised in number" proportion of the prand_codd #DISPLAYI print (brade) print (lendereceipts_ prand_codd	the receipts for iter resent in brand code e_not_included = NG ONLY TOP 10 ! nd_code_not_inc. (brand_code_not_ dropped['rewards e_not_included.:  MISSION BRAND T EASY CHEESE	ms. Note- theres a hes. This can only be descripts_dropp.  TO NOT CLUTTER Truded[0:10]) _included.index) sReceiptItemList	ed[~(receipts_HE OUTPUT	t these brandco rands table is up _dropped['rew	des could be a	a part of those "T e correct brand n	EST BRANDCO names.
s is Rishabh from the Analytics team who is responsible for processing all the incoming data, convert them into a readable form machine and the user to find meaningful insights. In this process, there are times we tumble across many issues related to the ta/data source which I will be discussing below for receipts, users and brands dataset.  I. I tried to merge these three datasets together using the unique ids(identifier for every row) present in every table but soon not that there are multiple records per id("_id") after cleaning them which negates the use of having "_id" column. Receipts colum userld which can be used to relate to the users data however, there isn't any brandld which can be used to relate with brands I would like to know whether the connection between these two are related to each other by any column or not, and if not, the are we identifying the brandcode for verification and if yes, whats the field(parameter) thats being used to create the connect and it was to know whether the connection and if yes, whats the field(parameter) thats being used to create the connect and it is a column shave been recorded with additional key-value pair or in a dictionary format which I did not understand the for it when the column/field were good enough to provide enough insight on what that coulmn is used for. Directly storing the as a string can reduce the processing steps, which indeed will keep the overall process optimised.  b. Missing of brandcodes in brands dataset that are present in receipts dataset questions the relationship between these two case theres a need for verification/restocking/keeping count of sales per brand. So, there are additional brandcodes named "18 BRANDCODE @number" which can be verified to a valid brandcode in the brands table that can solve the issue of the missing/mismatch of brandcodes between these two datasets.  CWhile going through the "rewardsReceiptStatus" column, which is basically the status of the receipt through receipt validation process. The total count the number	.1 .2 .3 LIGH Jame: rewa .86 True	EN AND JERRYS BORDEN KLARBRUNN HY-VEE T & FIT GREEK rdsReceiptItemL			holders			
for it when the column/field were good enough to provide enough insight on what that coulmn is used for. Directly storing the as a string can reduce the processing steps, which indeed will keep the overall process optimised.  b. Missing of brandcodes in brands dataset that are present in receipts dataset questions the relationship between these two case theres a need for verification/restocking/keeping count of sales per brand. So, there are additional brandcodes named "I BRANDCODE @number" which can be verified to a valid brandcode in the brands table that can solve the issue of the missing/mismatch of brandcodes between these two datasets.  c.While going through the "rewardsReceiptStatus" column, which is basically the status of the receipt through receipt validatic processing, I tried to count the number of occurrences of each status and found the following - FINISHED 5920 FLAGGED 810 SUBMITTED 434 REJECTED 167 PENDING 50  The status "ACCEPTED" is no where to be found in the original dataset however, we have FINISHED status which means that the processing of these receipts for rewards has finished status. I had to make assumptions that there are no other status and onleacepted/rejected status the only ones after receipt is processed completely. Accepted = Finished - Rejected. This thing could straightforward by adding another status as ACCEPTED to avoid us creating assumptions or invalid calculations that can creat a structure without hindering the overall process. There are times when these are not properly handled can create server issues/server stone other thing that can be added to the tables is a way to connect different tables using primary and foreign keys - which can done during the processing and storing the data, however, proper data dictionary of what the values mean inside specific colors are rewards status could make things more clear.	nis is Rishab ne machine ata/data sou 1. I tried to that ther userId w I would I are we ic	and the user to find urce which I will be of merge these three e are multiple reconnich can be used to like to know whethe tentifying the brand	I meaningful insights discussing below for datasets together useds per id("_id") after relate to the users cer the connection between the decode for verification	s. In this process, receipts, users a sing the unique id cleaning them what a however, the tween these two and if yes, whats	there are times and brands datas ds(identifier for which negates the re isn't any brander related to east the field(parameter).	we tumble acreset.  every row) presended which can ach other by are neter) thats being	sent in every tab g "_id" column. R n be used to relat ny column or not ing used to creat	related to the le but soon not Receipts column e with brands t c, and if not, the te the connection
The status "ACCEPTED" is no where to be found in the original dataset however, we have FINISHED status which means that the processing of these receipts for rewards has finished status. I had to make assumptions that there are no other status and onleacepted/rejected status the only ones after receipt is processed completely. Accepted = Finished - Rejected. This thing could straightforward by adding another status as ACCEPTED to avoid us creating assumptions or invalid calculations that can creat a the consistency in data types is a very important aspect of data analysis especially while collecting and storing the data. There multiple production issues if there are not proper try/catch method - this is way to handle errors, foreign data type, data struct without hindering the overall process. There are times when these are not properly handled can create server issues/server store one other thing that can be added to the tables is a way to connect different tables using primary and foreign keys - which can done during the processing and storing the data, however, proper data dictionary of what the values mean inside specific collistic such as rewards status could make things more clear.  Deking forward to discussing the above in detail.	b. Missin case their BRANDC missing/	en the column/field g can reduce the progression of brandcodes in the set of the progression of the count the count to the	were good enough rocessing steps, which brands dataset that cation/restocking/kenich can be verified to codes between these rewardsReceiptStatuthe number of occurrences.	to provide enough th indeed will keet are present in re- eping count of sa to a valid brandco to two datasets.	gh insight on when the overall proceeds dataset quales per brand. Since the brand is basically the	nat that coulminated that coulminated that call that call status of the research that call status o	n is used for. Directed.  elationship betwee dditional brandcon solve the issue eceipt through re	een these two tanders named "TE of the eceipt validation
oking forward to discussing the above in detail.	The statu processing accepted straightform.  3. The consistence of the	is "ACCEPTED" is not ag of these receipts /rejected status the prward by adding an istency in data type production issues if anidering the overall er thing that can be fing the processing	o where to be found for rewards has finish only ones after recent on their status as ACC es is a very important of there are not properly process. There are added to the tables and storing the data	shed status. I had eipt is processed CEPTED to avoid u t aspect of data a er try/catch metho times when these is a way to conno a, however, prope	to make assum completely. Acc us creating assu nalysis especiall od - this is way to e are not proper ect different tab	eptions that the epted = Finish mptions or inv ly while collect to handle erroi rly handled car bles using prim	ere are no other and - Rejected. The ralid calculations and storing the rs, foreign data type create server is any and foreign kere ary and foreign kere ary and foreign kere are are are are are are are are are	status and only his thing could I that can create the data. There ype, data struct sues/server stop keys - which car
	oking forw	ard to discussing th		clear.				