

*BUY*  
*SELL*  
*TRADE*

#howfashionshouldbe

b s t

Will you choose Cash or Trade?

1213bst is an online second-hand retailer who buys all of its product directly from consumers.

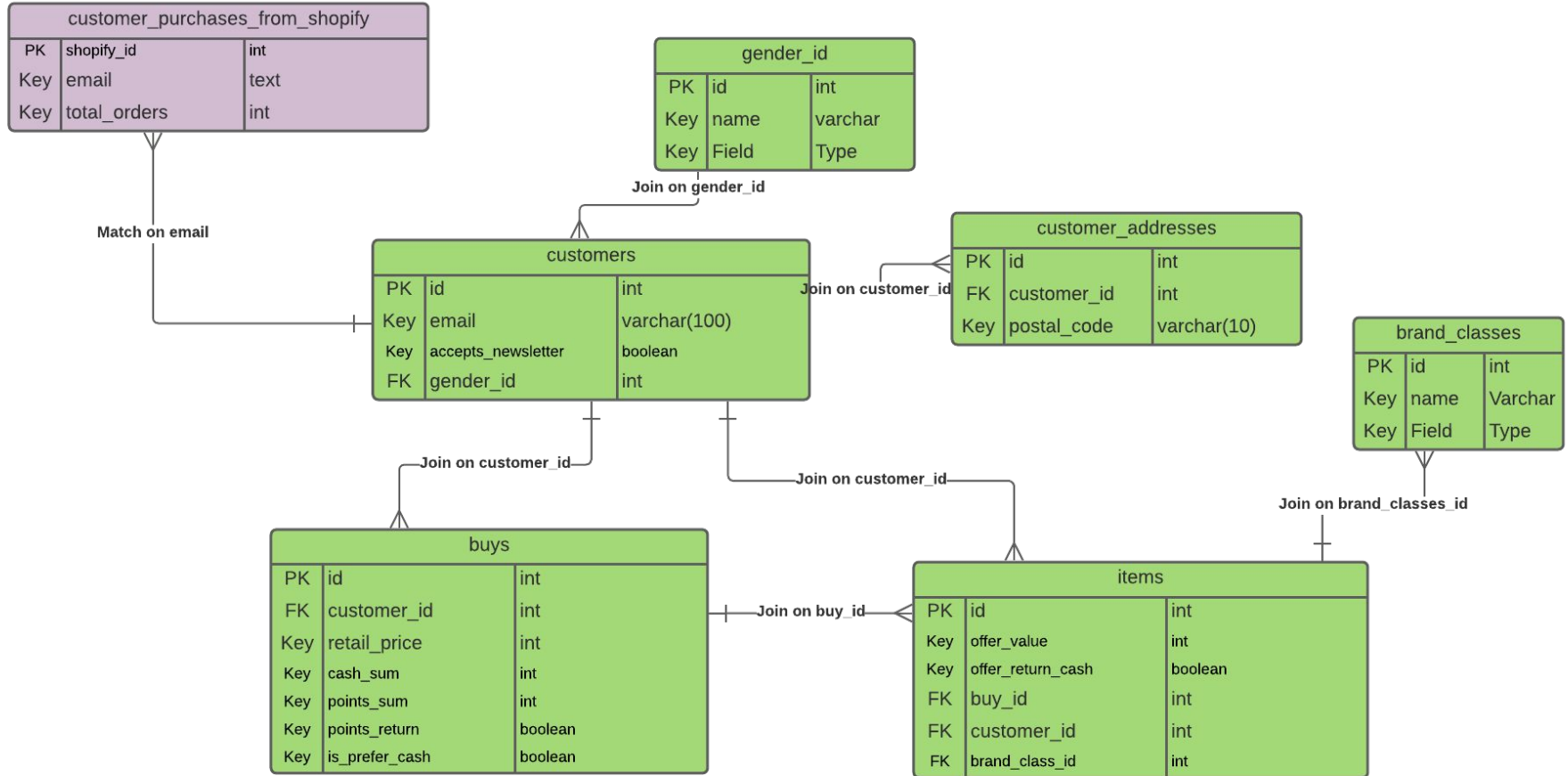
We offer consumers two payment options: ***cash or trade credit***

Trade credit is essential both to our principles and our growth.

So, I wanted to build a model that can accurately predict:



I first created an ERD of the main tables I wanted to use from our database



I cleaned and wrangled, bucketed, binned, and encoded and in the end ran 5 different models.

Model	Accuracy	r2
Logistic Regression	0.805	0.403
KNN	0.785	0.120
Decision Tree	0.259	0.259
Random Forest	0.389	0.389
Decision Boosting	0.459	0.459





- Which model is telling me the truth?
- Why are the results so wildly divergent?
- How could future iterations make our outcome better?
- How can we take this and use it to inform business decisions?