* [Train/test split:](https://learning.oreilly.com/library/view/advanced-excel-formulas/9781484271254/html/510733_1_En_10_Chapter.xhtml)

=SORTBY(tblNamesList[Names],

RANDARRAY(ROWS(tblNamesList))

)

* Use Ifs somehow to make dummy-coding super easy? .
* ROC curve? You could probably make the confusion matrix? I bet people would like that? Logistic regression using XLMiner?
* Lambdas: Descriptive statistics: <https://www.flexyourdata.com/blog/get-descriptive-statistics-in-excel-with-this-lambda-function>
* One hot encoding: <https://www.flexyourdata.com/blog/excel-one-hot-encode-categorical-data-with-lambda/>
* I think a lot of this isn’t going to be super “modern” but whatever, I will show a couple of things on here.

*Don’t make this harder than it has to be!*

Day 1:

* Power Query data profiling
  + Have them practice, that’ll take some time
  + *Use the exercises from the Head First stuff hehe*
  + What is data profiling!
* PivotTable visualization tricks
  + Set the transparency AND have them practice the next day
  + Are there any other PivotChart hacks you can think about?
* Dynamic arrays
  + Maybe even show how to do the dynamic chart or something, that would probably be better than LET and LAMBDA anyway.
* I like introducing them to Python tbh. Use xlwings to show some features.

Day 2:

* Summarizing data
* Descriptive statistics
* Correlation and regression analysis – get into assumptions and all that
* *Maybe* logistic regression
* And then play around with the predictive stuff but you don’t have to make it too advanced, people will tune out anyway.