

A humanoid robot with a white, featureless head and a plaid shirt. The robot's head has two circular sensors on the sides. The text "OK / NOK" is overlaid in large white letters across the robot's face.

OK / NOK

Let the AI decide

DISCLAIMER

**AI'S WILL
CHANGE
TESTING**

nest

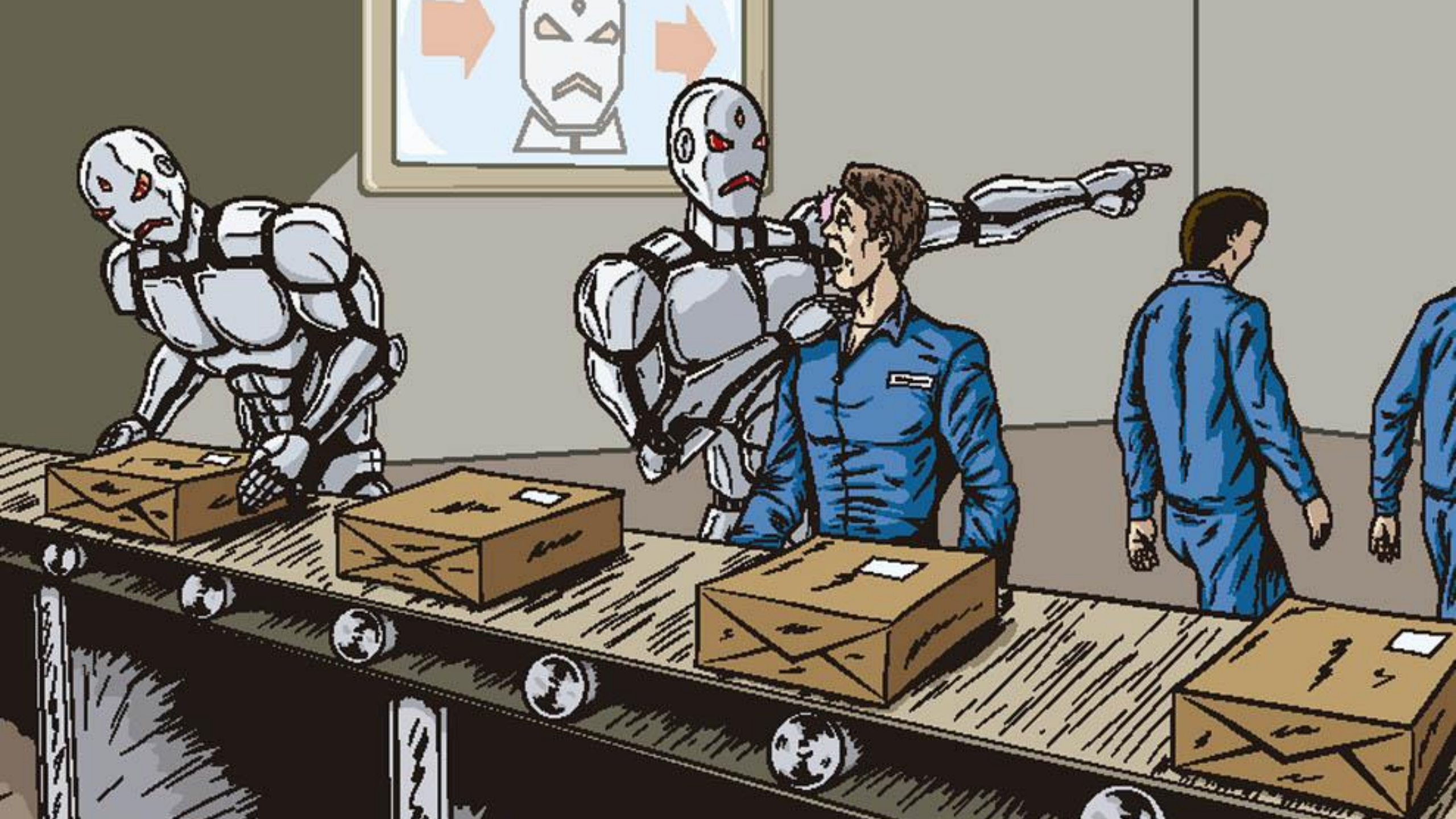
70

COOLING

68







A close-up photograph of a sloth hanging from a tree trunk. The sloth has brown and white fur and is looking towards the right. The word "CHILLAX" is overlaid in large, white, bold, sans-serif capital letters across the center of the image.

CHILLAX

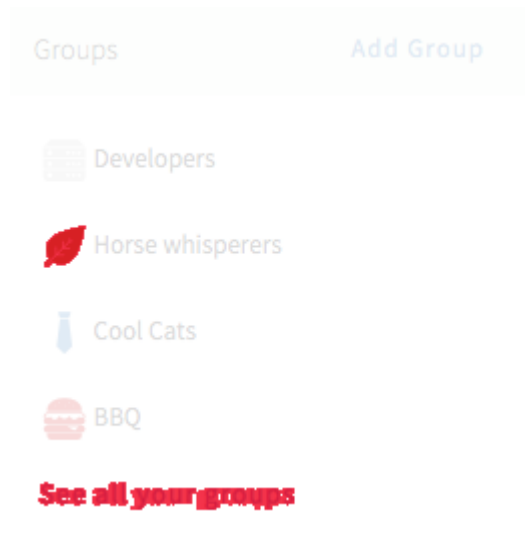
**CAN I BE MORE
LAZY WITH THE
HELP OF AN AI ?**

EXPERIMENTING

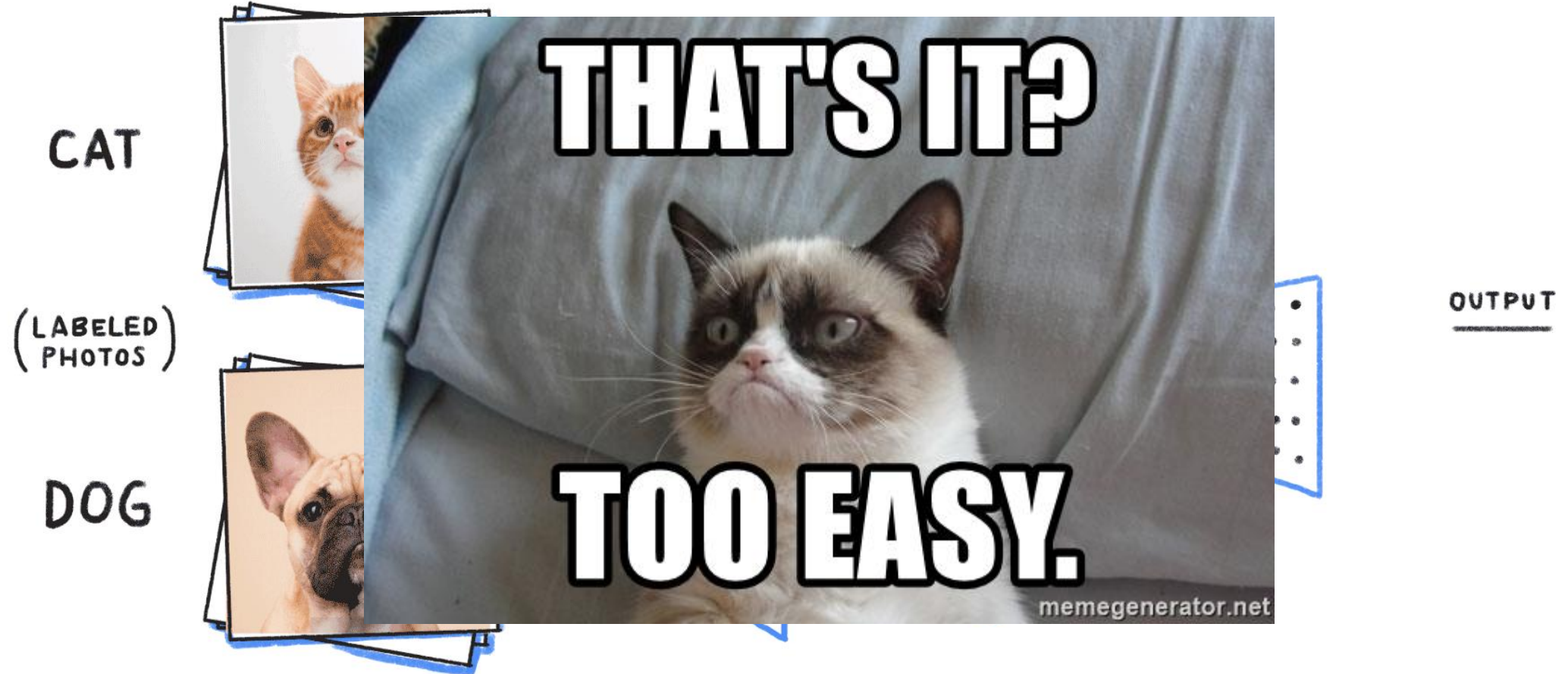
AUTOMATED VISUAL REGRESSION TESTING



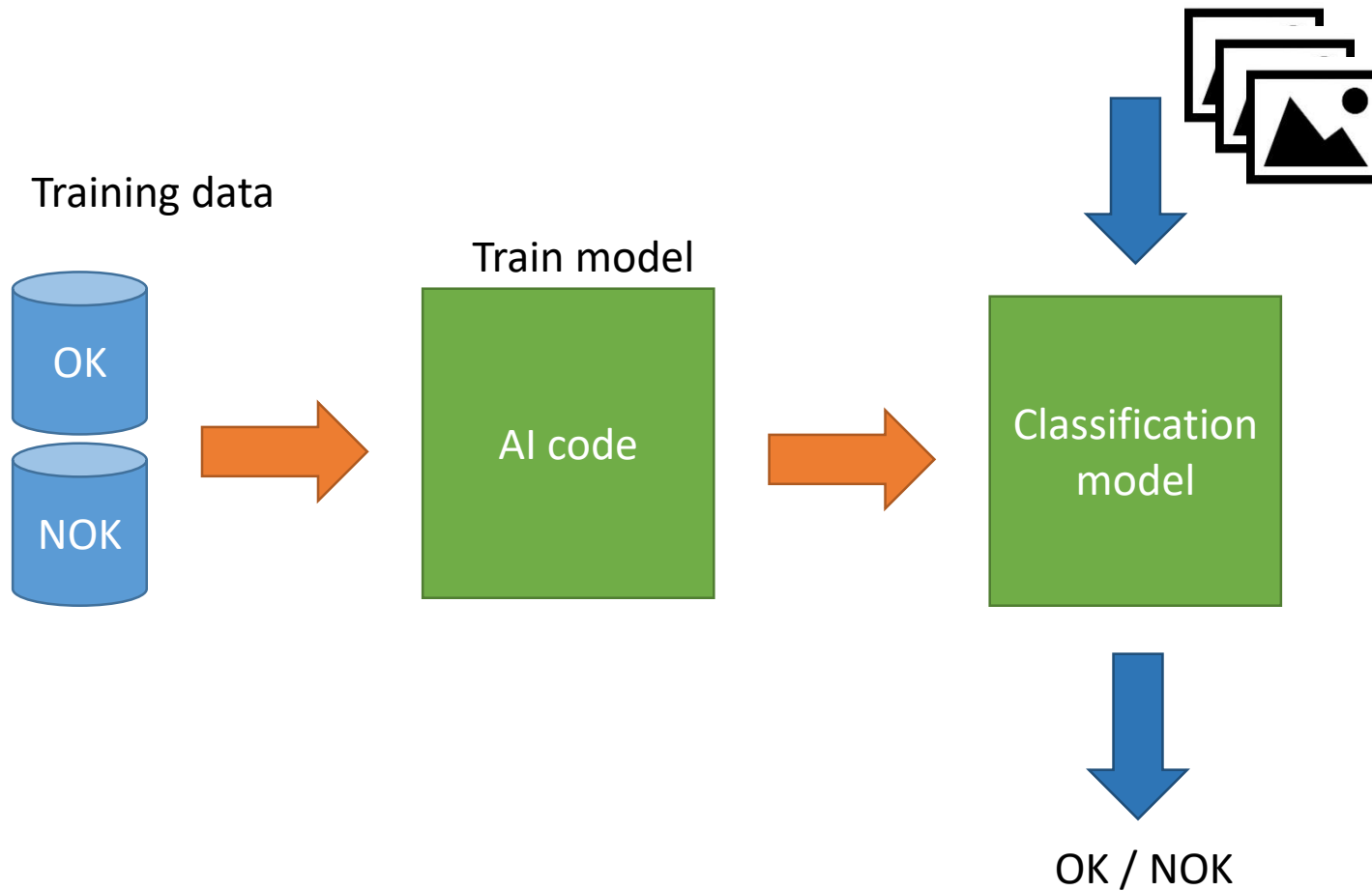
Changed



CLASSIFICATION



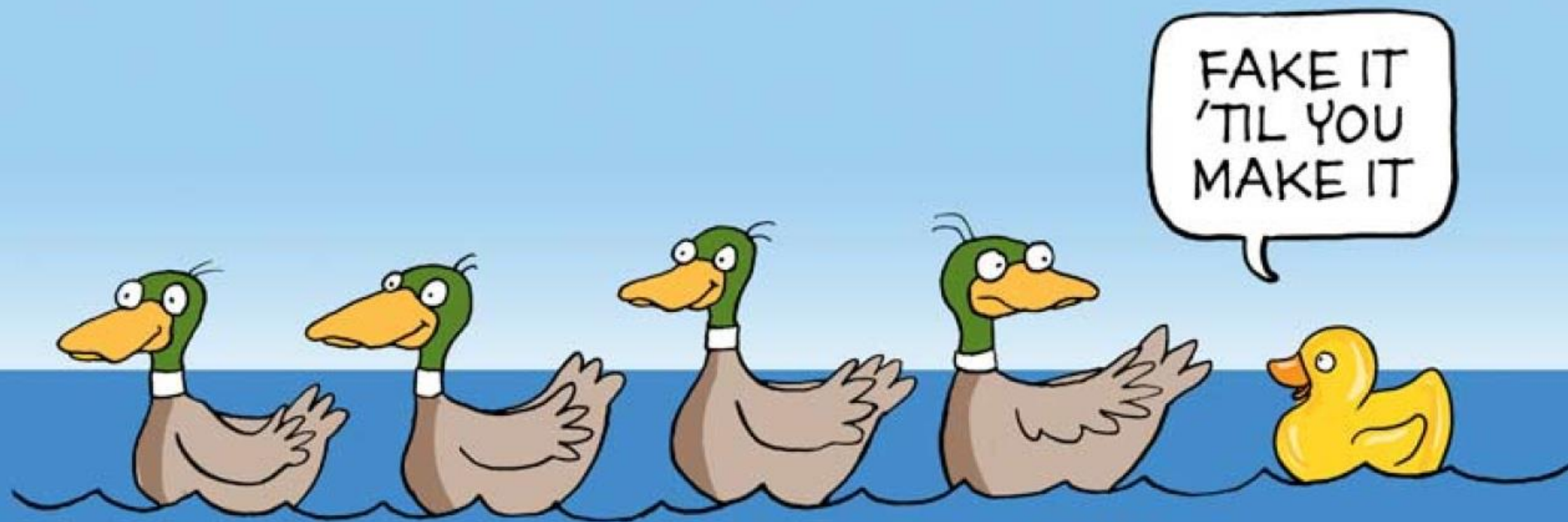
HOW IT WORKS



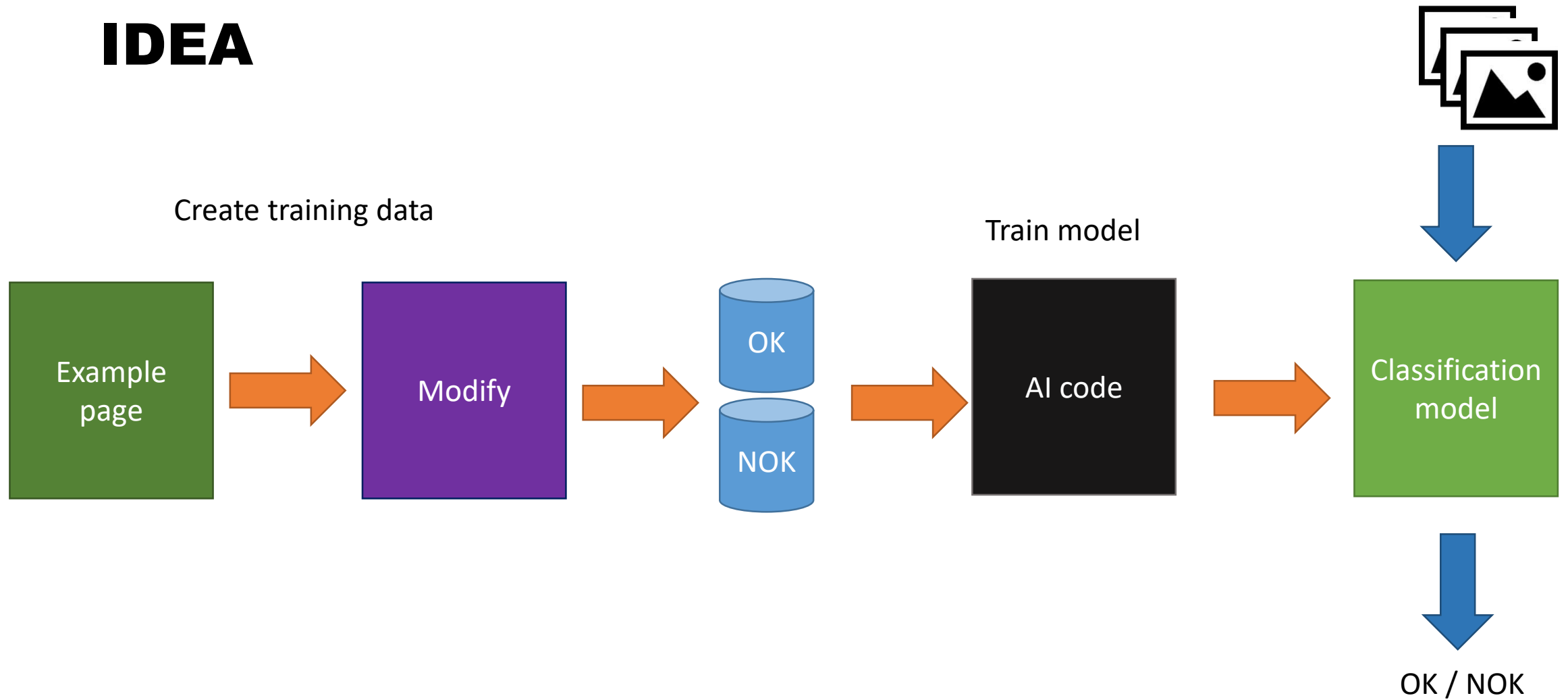
NOT SO EASY...

Me
WANTS
THE
DATA

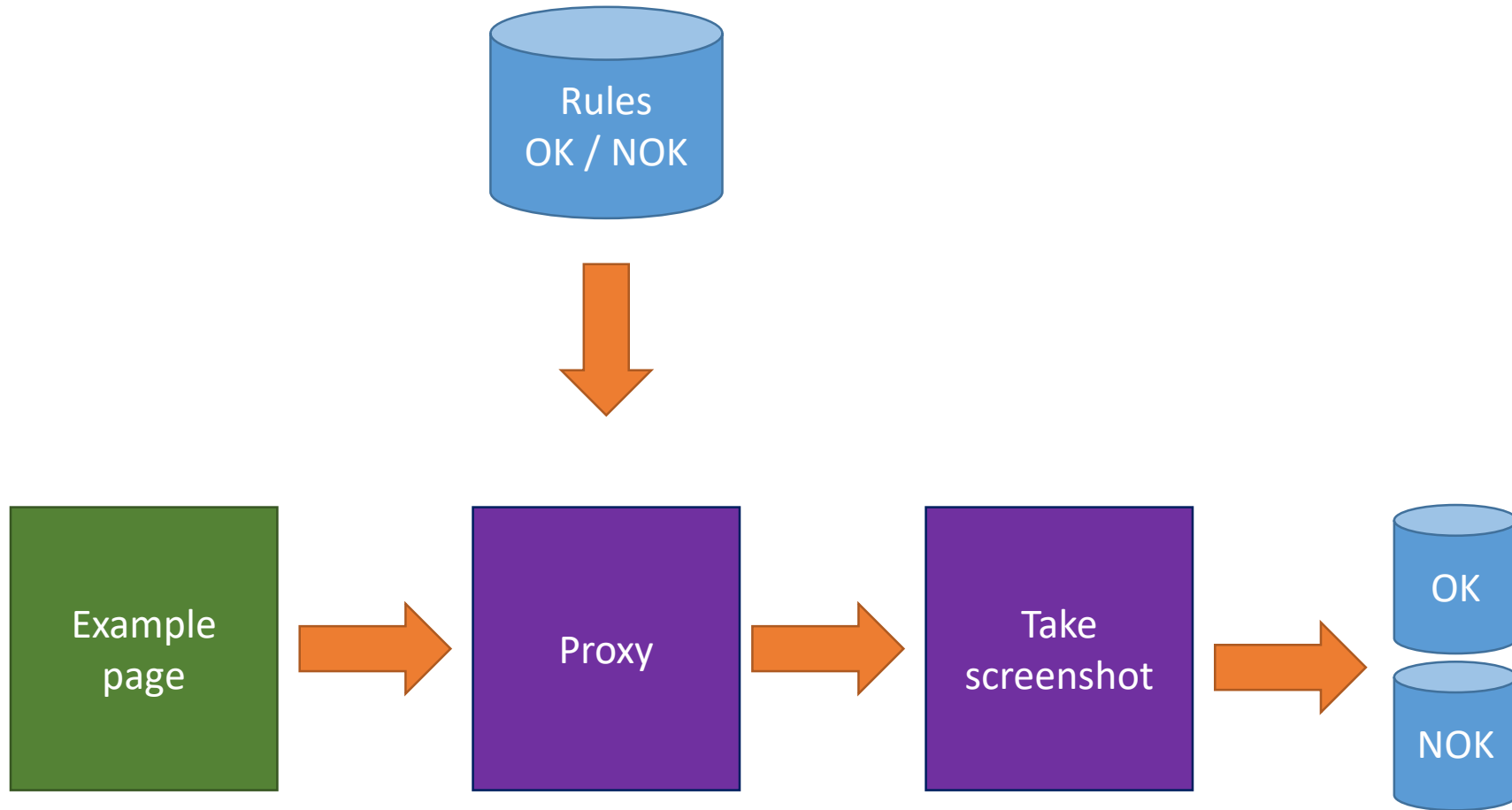




IDEA



IDEA



FIRST RESULT

```
Epoch 1/7  
2018-11-04 12:10:56.577195: I T:\src\github\tensorflow\tensorflow\core\platform\cpu_feature_guard.cc:141] Your CPU supports instruct  
8000/8000 [=====] - 2566s 321ms/step - loss: 0.0490 - acc: 0.9831 - val_loss: 0.0013 - val_acc: 1.0000  
Epoch 2/7  
8000/8000 [=====] - 2569s 321ms/step - loss: 1.5239 - acc: 0.9048 - val_loss: 8.0590 - val_acc: 0.5000  
Epoch 3/7  
8000/8000 [=====] - 2556s 319ms/step - loss: 8.0590 - acc: 0.5000 - val_loss: 8.0590 - val_acc: 0.5000  
Epoch 4/7  
8000/8000 [=====] - 2555s 319ms/step - loss: 8.0590 - acc: 0.5000 - val_loss: 8.0590 - val_acc: 0.5000  
Epoch 5/7  
8000/8000 [=====] - 2558s 320ms/step - loss: 8.0590 - acc: 0.5000 - val_loss: 8.0590 - val_acc: 0.5000  
Epoch 6/7  
8000/8000 [=====] - 2557s 320ms/step - loss: 8.0590 - acc: 0.5000 - val_loss: 8.0590 - val_acc: 0.5000  
Epoch 7/7  
8000/8000 [=====] - 2559s 320ms/step - loss: 8.0590 - acc: 0.5000 - val_loss: 8.0590 - val_acc: 0.5000
```

Caution! You are about to see a DEMO



Let's hope not to upset the DEMO gods



Now what?

LESSONS LEARNED

- It's fun to experiment
- Cats and dogs are different than screenshots
- Training your model takes a lot of time
- Getting enough data is a pain
- There is a reason they call it data **science**



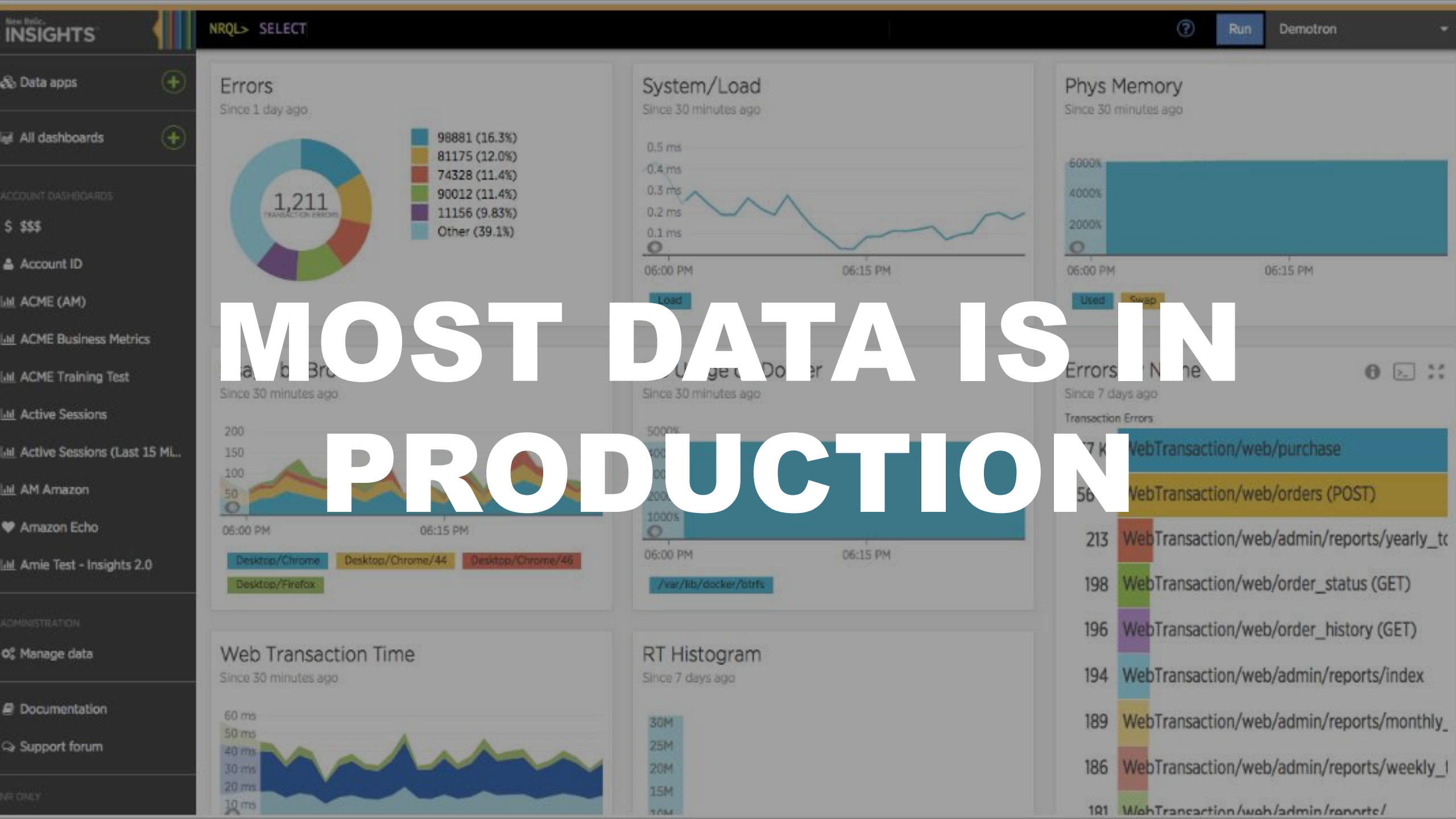
FUTURE

SOME PREDICTIONS

- There will be a lot of commercial 'AI powered test tools'
 - Some will be fake
 - Some will force extensive administration
 - Most will fail
- Testers will shift from test case design to managing training data

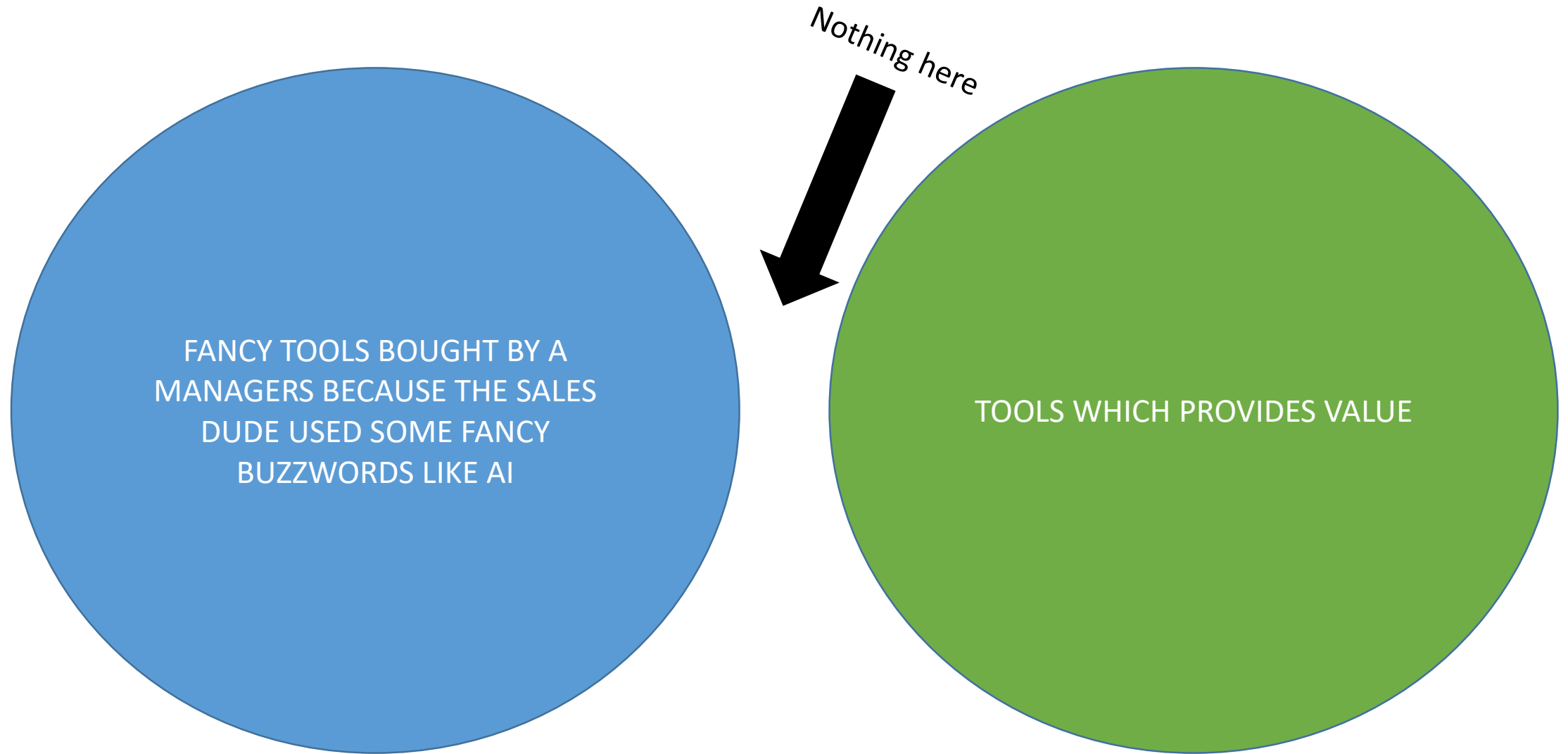


NO TESLA



MOST DATA IS IN PRODUCTION

VENN DIAGRAM FOR GOOD TEST TOOLS



THANKS!