Machine Learning

and

React Native

@ray_deck

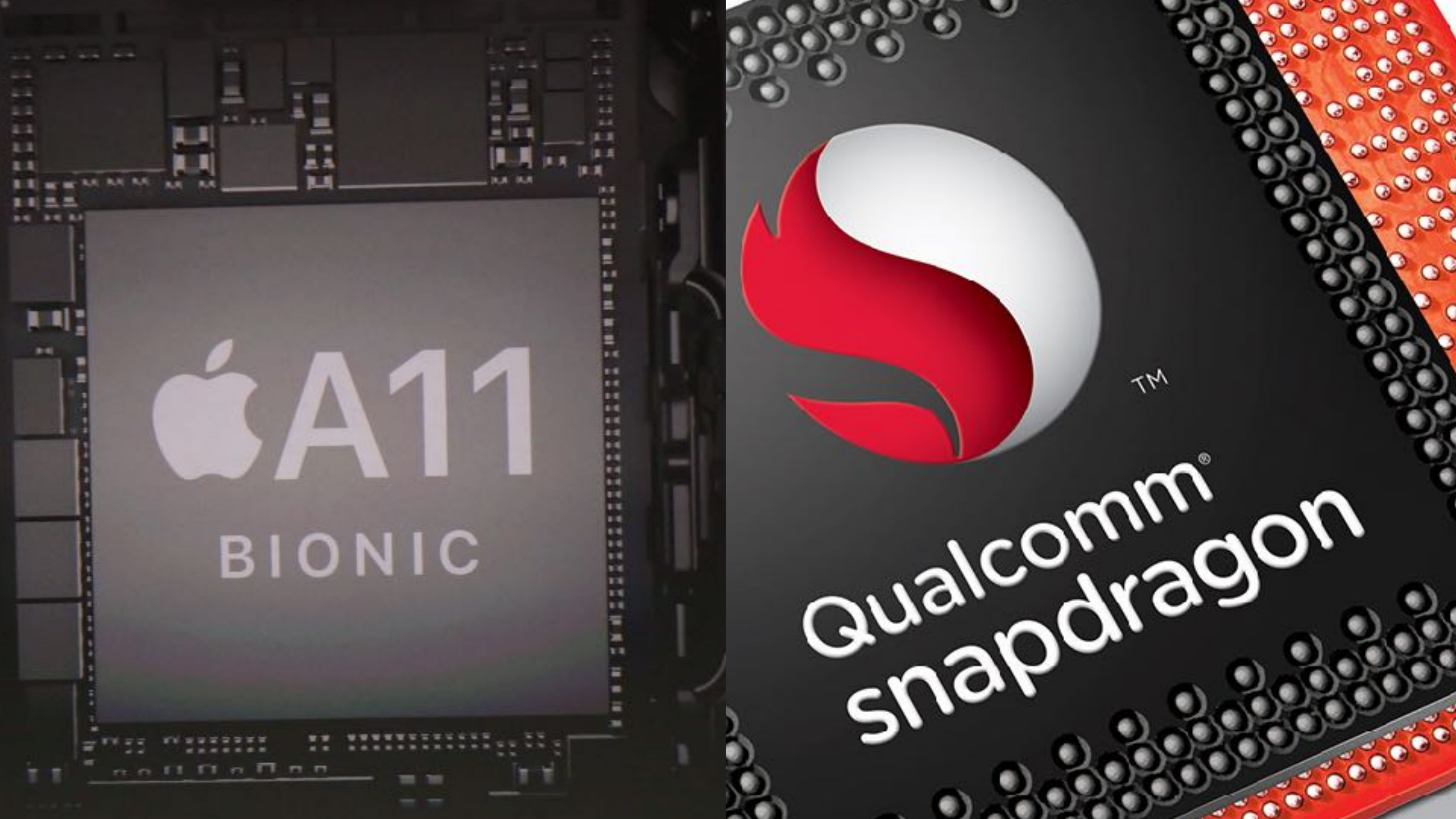
Functions **Written** by Machines

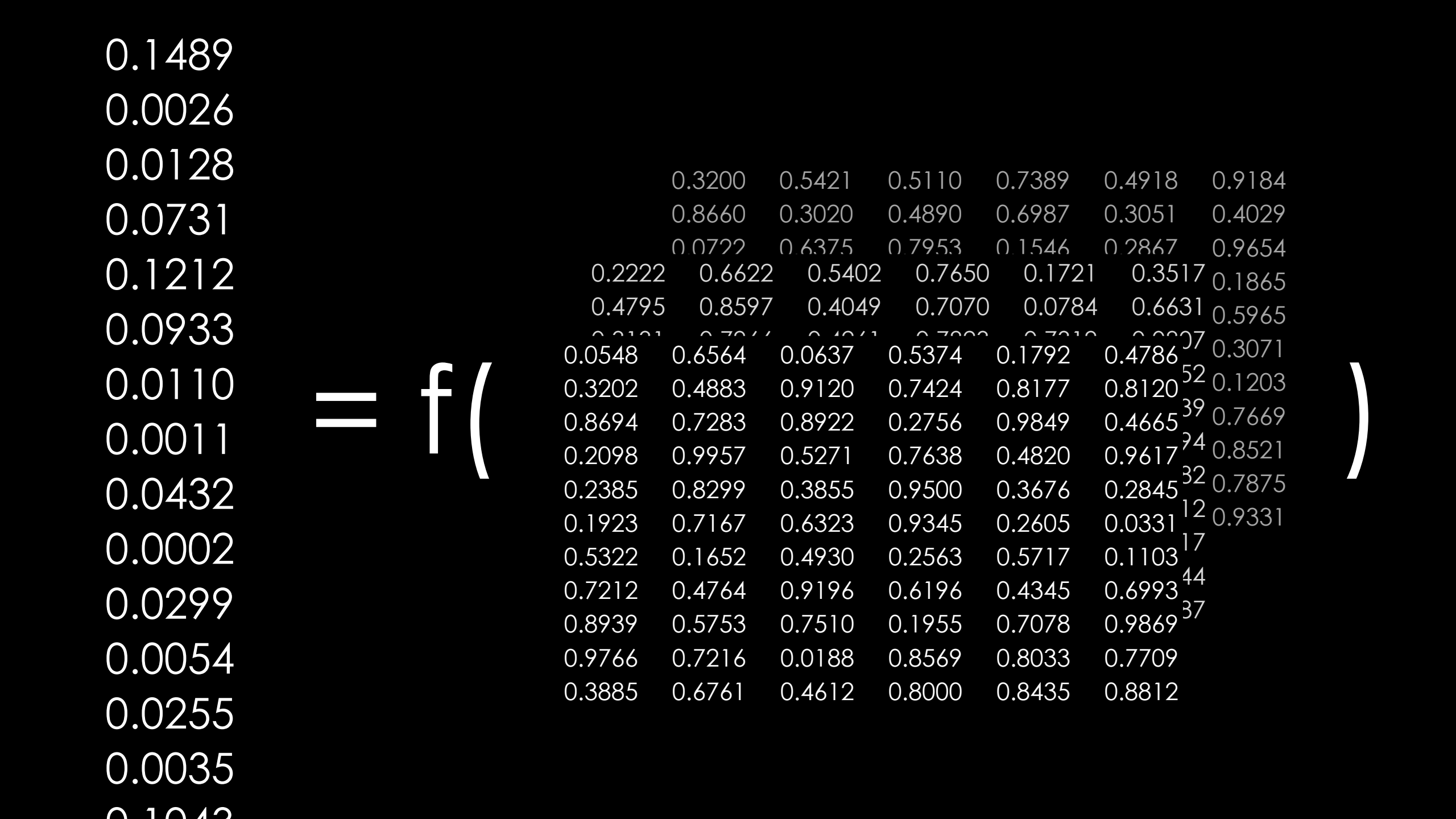
Supervised Learning

Transfer Learning

Reinforcement Learning

Adversarial Networks


A11
BIONIC
Qualcomm®
snapdragon
TM


0.1489
0.0026
0.0128
0.0731
0.1212
0.0933
0.0110
0.0011
0.0432
0.0002
0.0299
0.0054
0.0255
0.0035
= f(
0.3200 0.5421 0.5110 0.7389 0.4918 0.9184
0.8660 0.3020 0.4890 0.6987 0.3051 0.4029
0.0722 0.6375 0.7953 0.1546 0.2867 0.9654
0.2222 0.6622 0.5402 0.7650 0.1721 0.3517 0.1865
0.4795 0.8597 0.4049 0.7070 0.0784 0.6631 0.5965
0.0548 0.6564 0.0637 0.5374 0.1792 0.4786 0.3071
0.3202 0.4883 0.9120 0.7424 0.8177 0.8120 0.1203
0.8694 0.7283 0.8922 0.2756 0.9849 0.4665 0.7669
0.2098 0.9957 0.5271 0.7638 0.4820 0.9617 0.8521
0.2385 0.8299 0.3855 0.9500 0.3676 0.2845 0.7875
0.1923 0.7167 0.6323 0.9345 0.2605 0.0331 0.9331
0.5322 0.1652 0.4930 0.2563 0.5717 0.1103
0.7212 0.4764 0.9196 0.6196 0.4345 0.6993
0.8939 0.5753 0.7510 0.1955 0.7078 0.9869
0.9766 0.7216 0.0188 0.8569 0.8033 0.7709
0.3885 0.6761 0.4612 0.8000 0.8435 0.8812
)

$$y = f(x)$$

Computer Vision

Image Classification

Natural Language Processing

Who is here?

What am I looking at?

How do you feel?

Context


ML

Privacy

Performance

Personalization

File Specification Runtime

Code as Asset

Context

Reality is **Declarative**

Machine Learning Makes the **World** Your Provider

```
<PeopleProvider classifiers={this.state.classifiers}>
  {/* ... */}
  <PeopleConsumer>
    {({ faces }) => {
      return faces.map(person => {
        return <PersonComponent person={person} />;
      });
    }}
  </PeopleConsumer>
</PeopleProvider>
```

react-native-tesseract-ocr

react-native-coreml

react-native-vision

Make the World
Your Provider

Thank You

github.com/rhdeck/chainreact-2018

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