Beyond the Analysis: An Approach to Operationalizing Your Results using Open Source JavaScript Frameworks

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A key challenge in data science today is that last mile – moving from analysis and findings to a production-grade, user-centric application.
From *Useful Information* To *Utilized Insight*

- **Know the Problem**
  - Is my analysis intended to be applied?
  - Are my features available in real world?
  - Would feedback be helpful to my analysis?

- **Connect the Product**

- **Understand the User**
  - Who would find my analysis useful?
  - How would someone use my analysis?
  - Can someone provide feedback to my analysis?
JavaScript is more than you think.

Know the Problem

Understand the User

Connect the Product

User Interface
- Front End Frameworks expedite UI Development.

Visualization
- Charting libraries provide great Data Viz capabilities.

ML/Analytics
- Machine Learning can be done in the browser.
So you just built an image classifier but what now...

Know the Problem

Connect the Product

Understand the User
Here's a Image of Something...
Here's a Image of Something...

Here's what the Model thinks...

- tusker: 53.75%
- African elephant: 31.14%
- Indian elephant: 15.01%
- bison: 0.06%
- Arabian camel: 0.01%
- water buffalo: 0.01%
- wild boar: 0.00%
- standard poodle: 0.00%
- triceratops: 0.00%
- warthog: 0.00%
Here's a Image of Something...

Here's the main takeaway...

This image is most likely a tusker but could be an African elephant.
Questions?

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