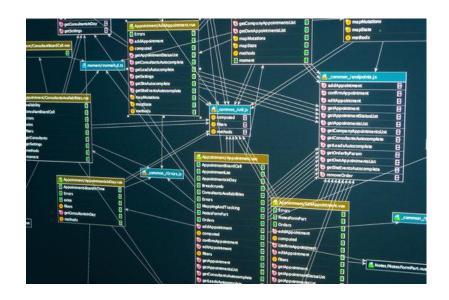




Simple one time research (not production Level) Development Requirement



Data Management Code Connect, Store Process & Send ~30%

```
#Modeling :
#Using sklearn package to model data :
from sklearn import linear_model
regr = linear_model.LinearRegression()

train_x = np.array(train[["ENGINESIZE"]])
train_y = np.array(train[["CO2EMISSIONS"]])

regr.fit(train_x,train_y)

#The coefficients :
print ("coefficients : ",regr.coef_)  #Slope
print ("Intercept : ",regr.intercept_)  #Intercept

coefficients : [[38.79512384]]
Intercept : [127.16989951]
```

Pata Analytics Code
For Al Solution
~70%



Production Requirement for Single Solution

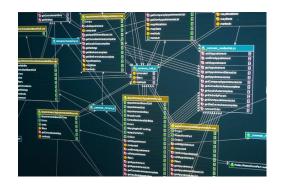
Production Scale Solution:

- Minimal human intervention
- Automatic data management and connectivity between databases and servers
- Capable of running repeatedly
- Auto-scalable for different data sizes

- Visualization Dashboard for Decision Making
- Administration Capability
- Fast code deploy system
- All of the above inside an fully packaged application either
 - Desktop based or
 - Cloud Based



Development Requirements for Production Scale



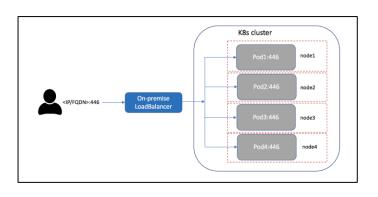
Data Management Code Connect, Store & Send (~20%)



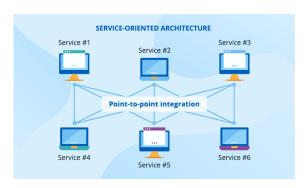
Data Analytics Code For Al Solution (~40%)



Visualization Application for Decision Make ~15%



Load Balancing Application For Scalability (~10%)



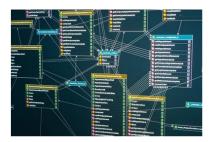
Application Integration Code
To integrate all 5 applications~10%



Admin Application
To manage solution 5%

Development Requirements for Production Scale for Cloud based

Cloud Modification



Data Management Code Connect, Store & Send (~20%)



Admin Application
To manage solution 5%

Cloud Modification

Cloud Modification



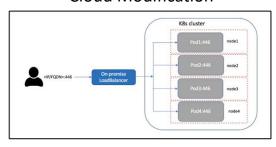
Data Analytics Code For Al Solution (~40%)



Visualization Application for Decision Make ~15%

Cloud Modification

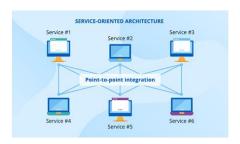
Cloud Modification



Load Balancing Application For Scalability (~10%)



Cloud Application (~10%)



Application Integration Code
To integrate all 5 applications~10%

Cloud Modification



