**Machine Learning in Agriculture**

**Toxic Pesticides**:

**Focus**:

Determine the outcome of the harvest season, weather the crop would be healthy(alive), damaged by Pesticides or damaged by other reasons.

**Questions**:

**Data Dictionary**:

|  |  |
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| **Variable** | **Definition** |
| ID | UniqueID |
| Estimated\_Insects\_Count | Estimated insects count per square meter |
| Crop\_Type | Category of Crop(0,1) |
| Soil\_Type | Category of Soil (0,1) |
| Pesticide\_Use\_Category | Type of pesticides uses (1- Never, 2-Previously Used, 3-Currently Using) |
| Number\_Doses\_Week | Number of doses per week |
| Number\_Weeks\_Used | Number of weeks used |
| Number\_Weeks\_Quit | Number of weeks quit |
| Season | Season Category (1,2,3) |
| Crop\_Damage | Crop Damage Category (0=alive, 1=Damage due to other causes, 2=Damage due to Pesticides) |

**Problem Solution Description with Code**: