```
SoilAnalyzer::Soil
  + BW
  + Intensity
  + LAB
  + RGB
  + RI
 + Edge
  + version
  + TimeTaken

    + TimeAnalyzed

 + Location
 + ID
 # OptimizedInt
 + Soil()
 + ~Soil()
  serialize()
SoilAnalyzer::Sample
+ OriginalImage
+ Population
+ Results
```

+ Settings+ imgPrepped- prog\_sig

+ Sample() + Sample() + ~Sample() + PrepImg() + Analyse() + Analyse() + Save() + Load() - serialize()

+ connect Progress()

AnalysePopVect()SegmentParticles()