```
In [4]: runfile('/Users/noemi/Documents/Uni/Astrostatistics/working/lec19.py', wdir='/Users/noemi/Documents/Uni/Astrostatistics/working')

--- Naive Bayes ---

 U-G
Completeness: 0.9233
Contamination: 0.0696
Accuracy: 0.9786

 G-R
Completeness: 0.6131
Contamination: 0.1071
Accuracy: 0.9324

 R-I
Completeness: 0.208
Contamination: 0.1175
Accuracy: 0.8797

 I-Z
Completeness: 0.0045
Contamination: 0.7561
Accuracy: 0.8518


--- Quadratic Discriminant Analysis ---

 U-G
Completeness: 0.9335
Contamination: 0.0652
Accuracy: 0.9817

 G-R
Completeness: 0.6478
Contamination: 0.1115
Accuracy: 0.9396

 R-I
Completeness: 0.2282
Contamination: 0.1067
Accuracy: 0.8887

 I-Z
Completeness: 0.0057
Contamination: 0.7647
Accuracy: 0.8589

--- GMM Bayes Classifier ---

 U-G
Completeness: 0.9328
Contamination: 0.068
Accuracy: 0.9804

 G-R
Completeness: 0.7409
Contamination: 0.1566
Accuracy: 0.9425

 R-I
Completeness: 0.5596
Contamination: 0.1561
Accuracy: 0.9212
```

```
  I-Z
Completeness: 0.4616
Contamination: 0.2748
Accuracy: 0.8967


--- K-Nearest Neighbor Classifier ---

  U-G
Completeness: 0.9178
Contamination: 0.0622
Accuracy: 0.9795

  G-R
Completeness: 0.7269
Contamination: 0.1746
Accuracy: 0.9387

  R-I
Completeness: 0.5653
Contamination: 0.1946
Accuracy: 0.918

  I-Z
Completeness: 0.451
Contamination: 0.2765
Accuracy: 0.8965


-> What if I train on the whole dataset?

--- GMM Bayes Classifier ---
Completeness: 0.9321
Contamination: 0.0586
Accuracy: 0.9821

--- Naive Bayes ---
Completeness: 0.9151
Contamination: 0.1091
Accuracy: 0.9715

In [5]:
```