

## Quiz Solutions

## Quiz solution code

## **CSVs in Python**

```
import unicodecsv

def read_csv(filename):
    with open(filename, 'rb') as f:
        reader = unicodecsv.DictReader(f)
        return list(reader)

enrollments = read_csv('enrollments.csv')
daily_engagement = read_csv('daily_engagement.csv')
project_submissions = read_csv('project_submissions.csv')
```

## Investigating the Data

```
len(enrollments)
unique_enrolled_students = set()
for enrollment in enrollments:
    unique_enrolled_students.add(enrollment['account_key'])
len(unique_enrolled_students)

len(daily_engagement)

unique_engagement_students = set()
for engagement_record in daily_engagement:
    unique_engagement_students.add(engagement_record['acct'])
len(unique_engagement_students)

len(project_submissions)

unique_project_submisters = set()
for submission in project_submissions:
    unique_project_submitters.add(submission['account_key'])
len(unique_project_submitters)
```

















