

# CS 544, Kafka Notes (Python Interface)

```
from kafka import KafkaAdminClient, KafkaProducer, KafkaConsumer
```

## **KafkaAdminClient**

1. create: \_\_\_\_\_
2. list\_topics: \_\_\_\_\_
3. delete\_topics: \_\_\_\_\_

## **KafkaProducer**

4. send: \_\_\_\_\_

## **KafkaConsumer**

5. poll: \_\_\_\_\_
6. assign: \_\_\_\_\_
7. assignment: \_\_\_\_\_
8. subscribe: \_\_\_\_\_
9. seek\_to\_beginning: \_\_\_\_\_
10. position: \_\_\_\_\_
11. seek: \_\_\_\_\_

## Polling Loop

```
while True:
    batch = consumer.poll(????)
    for tp, messages in batch.items():
        for msg in messages:
            # TODO: process message
```

## TopicPartition attributes

12. topic: \_\_\_\_\_

13. partition: \_\_\_\_\_

## ConsumerRecord (message) attributes

14. key: \_\_\_\_\_

15. value: \_\_\_\_\_