

## BaseCollector

```
virtual void collect(IterationOutput iteration_state) = 0;  
virtual deque<IterationOutput> get_chains()=0;
```

to call cluster/density estimation I need chains

## MemoryCollector

```
deque<IterationOutput> chains;  
  
void collect(IterationOutput iteration_state) override;  
deque<IterationOutput> get_chains()override;
```

## FileCollector

```
int outfd;  
google::protobuf::io::FileOutputStream *fout;  
  
void collect(IterationOutput iteration_state) override;  
deque<IterationOutput> get_chains()override;
```

ERROR