

```
class DataProcessor {  
    - currentMode: ModeIdentifier  
    - currentDatabase: DatabaseIdentifier  
  
    + configure(mode: ModeIdentifier, database: DatabaseIdentifier)  
    + process(dataPoint: DataPoint)  
}
```

```
enum ModeIdentifier {  
    DUMP,  
    PASSTHROUGH,  
    VALIDATE  
}
```

```
enum DatabaseIdentifier {  
    POSTGRES,  
    REDIS,  
    ELASTIC  
}
```

```
interface Database {  
    + connect()  
    + insert(dataPoint: DataPoint)  
    + validate(dataPoint: DataPoint)  
}
```

```
class PostgresDatabase implements Database {  
    + connect()  
    + insert(dataPoint: DataPoint)  
    + validate(dataPoint: DataPoint)  
}
```

```
class RedisDatabase implements Database {  
    + connect()  
    + insert(dataPoint: DataPoint)  
    + validate(dataPoint: DataPoint)  
}
```

```
class ElasticDatabase implements Database {  
    + connect()  
    + insert(dataPoint: DataPoint)  
    + validate(dataPoint: DataPoint)  
}
```

DataProcessor --> Database