API Documentation for Cluster and Sub-cluster Data

This documentation outlines the available endpoints for the API hosted at http://ec2-18-61-145-241.ap-south-2.compute.amazonaws.com.

##1. Get Sub-cluster Data by Cluster Number

Endpoint:

```
GET /sub_cluster/<cluster_number>
```

Description:

Fetches sub-cluster data for a given cluster number.

URL:

```
http://ec2-18-61-145-241.ap-south-2.compute.amazonaws.com/sub_cluster/<cluster_number>
```

Example Request:

```
curl -X GET "http://ec2-18-61-145-241.ap-south-2.compute.amazonaws.com/sub_cluster/1"
```

##2. Post Sub-cluster Data

Endpoint:

```
POST /sub_cluster
```

Description:

Posts a request to retrieve data for a specific sub-cluster by providing the cluster number in the request body.

URL:

```
http://ec2-18-61-145-241.ap-south-2.compute.amazonaws.com/sub_cluster
```

```
curl -X POST "http://ec2-18-61-145-241.ap-south-2.compute.amazonaws.com/sub_cluster" \
-H "Content-Type: application/json" \
-d '{"cluster_number": 1}'
```

##3. Get All Cluster Data

Endpoint:

```
GET /get_cluster_data
```

Description:

Fetches all cluster data stored in the cluster_data.json file.

URL:

```
http://ec2-18-61-145-241.ap-south-2.compute.amazonaws.com/get_cluster_data
```

Example Request:

```
curl -X GET "http://ec2-18-61-145-241.ap-south-2.compute.amazonaws.com/get_cluster_data"
```