MongoDB Queries

Creating pipelines from raw data using MongoDB as the data is too large.

```
For FinalProject_Prescriber_Details table

[
  {
    $group: {
      _id: {
        Prscrbr_NPI: "$Prscrbr_NPI",
        Prscrbr_Last_Org_Name:
          "$Prscrbr_Last_Org_Name",
        Prscrbr_First_Name: "$Prscrbr_First_Name",
        Prscrbr_City: "$Prscrbr_City",
        Prscrbr_State_Abrvtn:
          "$Prscrbr_State_Abrvtn",
        Prscrbr_Type: "$Prscrbr_Type",
      },
    },
  },
  {
    $project: {
      _id: 0,
      Prscrbr_NPI: "$_id.Prscrbr_NPI",
      Prscrbr_Last_Org_Name:
        "$_id.Prscrbr_Last_Org_Name",
      Prscrbr_First_Name:
        "$_id.Prscrbr_First_Name",
      Prscrbr_City: "$_id.Prscrbr_City",
      Prscrbr_State: "$_id.Prscrbr_State_Abrvtn",
      Prscrbr_Type: "$_id.Prscrbr_Type",
    },
  },
]
```

```
For FinalProject_Prescriber_ (Payment information of perscriber table)


[
```

```
{
  $group: {
    _id: {
      Covered_Recipient_NPI:
        "$Covered_Recipient_NPI",
      Recipient_First_Name:
        "$Covered_Recipient_First_Name",
      Recipient_Last_Name:
        "$Covered_Recipient_Last_Name",
      Recipient_City: "$Recipient_City",
      Recipient_State: "$Recipient_State",
    },
    Total_Amount_of_Payment_USDollars: {
      $sum: "$Total_Amount_of_Payment_USDollars",
    },
  },
},
{
  $project: {
    _id: 0,
    Covered_Recipient_NPI:
      "$_id.Covered_Recipient_NPI",
    Recipient_First_Name:
      "$_id.Recipient_First_Name",
    Recipient_Last_Name:
      "$_id.Recipient_Last_Name",
```

```
      Recipient_City: "$_id.Recipient_City",

      Recipient_State: "$_id.Recipient_State",

      Total_Amount_of_Payment_USDollars: 1,

    },

  },

]
```

For `FinalProject_Prescriber_Drug_Cost_Supplies_Clm table`

```
[

 {

  $group: {

   _id: {

    Prscrbr_NPI: "$Prscrbr_NPI",

   },

   Tot_Sum_Clms: {

    $sum: "$Tot_Clms",

   },

   Tot_Avg_Clms: {

    $avg: "$Tot_Clms",

   },

   Tot_Max_Clms: {

    $max: "$Tot_Clms",

   },

   Tot_Sum_Day_Suply: {

    $sum: "$Tot_Day_Suply",

   },
```

```
Tot_Avg_Day_Suply: {

  $avg: "$Tot_Day_Suply",

},

Tot_Max_Day_Suply: {

  $max: "$Tot_Day_Suply",

},

Tot_Sum_Drug_Cst: {

  $sum: "$Tot_Drug_Cst",

},

Tot_Avg_Drug_Cst: {

  $sum: "$Tot_Drug_Cst",

},

Tot_Max_Drug_Cst: {

  $sum: "$Tot_Drug_Cst",

},

Tot_Sum_30day_Fills: {

  $sum: "$Tot_30day_Fills",

},

Tot_Avg_30day_Fills: {

  $avg: "$Tot_30day_Fills",

},

Tot_Max_30day_Fills: {

  $max: "$Tot_30day_Fills",

},

Tot_Sum_Benes: {

  $sum: "$Tot_Benes",
```

```
      },
      Tot_Avg_Benes: {
        $avg: "$Tot_Benes",
      },
      Tot_Max_Benes: {
        $max: "$Tot_Benes",
      },
    },
  },
  {
    $project: {
      _id: 0,
      Prscrbr_NPI: "$_id.Prscrbr_NPI",
      Tot_Sum_Clms: 1,
      Tot_Avg_Clms: 1,
      Tot_Max_Clms: 1,
      Tot_Sum_Day_Suply: 1,
      Tot_Avg_Day_Suply: 1,
      Tot_Max_Day_Suply: 1,
      Tot_Sum_Drug_Cst: 1,
      Tot_Avg_Drug_Cst: 1,
      Tot_Max_Drug_Cst: 1,
      Tot_Sum_30day_Fills: 1,
      Tot_Avg_30day_Fills: 1,
      Tot_Max_30day_Fills: 1,
      Tot_Sum_Benes: 1,
```

```
      Tot_Avg_Benes: 1,

      Tot_Max_Benes: 1,

    },

  },

]
```