
use adtech
switched to db adtech

db.itemdata.find({})

```
{
  _id: ObjectId('66d52ca382ad8ebe4e36bfc0'),
  item_id: 26880,
  item_price: 4602,
  category_1: 11,
  category_2: 35,
  category_3: 20,
  product_type: 3040
}
{
  _id: ObjectId('66d52ca382ad8ebe4e36bfc1'),
  item_id: 54939,
  item_price: 3513,
  category_1: 12,
  category_2: 57,
  category_3: 85,
  product_type: 6822
}
{
  _id: ObjectId('66d52ca382ad8ebe4e36bfc2'),
  item_id: 40383,
  item_price: 825,
  category_1: 17,
  category_2: 8,
  category_3: 279,
  product_type: 1619
}
{
  _id: ObjectId('66d52ca382ad8ebe4e36bfc3'),
  item_id: 8777,
  item_price: 2355,
  category_1: 13,
  category_2: 58,
```

```
category_3: 189,
product_type: 5264
}
{
  _id: ObjectId('66d52ca382ad8ebe4e36bfc4'),
  item_id: 113705,
  item_price: 1267,
  category_1: 17,
  category_2: 39,
  category_3: 151,
  product_type: 10239
}
.....
Type "it" for more
```

db.impressions.countDocuments({is_click: 1})

10862

db.impressions.distinct("os_version")

['intermediate' 'latest' 'old']

db.impressions.aggregate(

```
  [
    { $match: {} },
    { $group: { _id: "$os_version", countClick: { $sum: "$is_click" } } }
  ]
)
{
  _id: 'latest',
  countClick: 5382
}
{
  _id: 'old',
  countClick: 2605
}
{
  _id: 'intermediate',
  countClick: 2875
}
```

```
}
```

```
db.impressions.aggregate(
```

```
[
```

```
  {$match: {} },
```

```
  {$group: {_id: "$app_code", countClick: { $sum: "$is_click" } } },
```

```
  {$sort: {total: -1}}
```

```
]
```

```
)
```

```
{
```

```
  _id: 315,
```

```
  countClick: 1
```

```
}
```

```
{
```

```
  _id: 361,
```

```
  countClick: 0
```

```
}
```

```
{
```

```
  _id: 222,
```

```
  countClick: 0
```

```
}
```

```
{
```

```
  _id: 336,
```

```
  countClick: 5
```

```
}
```

```
{
```

```
  _id: 338,
```

```
  countClick: 1
```

```
}
```

```
{
```

```
  _id: 398,
```

```
  countClick: 1
```

```
}
```

```
{
```

```
  _id: 240,
```

```
  countClick: 13
```

```
}
```

```
{
```

```
  _id: 151,
```

```
  countClick: 116
```

```
}  
{  
  _id: 135,  
  countClick: 4  
}  
{  
  _id: 152,  
  countClick: 0  
}  
.....  
Type "it" for more
```