Avant propos

Les données utilisées pour les exemples proviennent de : "kibana_sample_data_ecommerce"

Le schéma est le suivant :

```json
{
  "kibana_sample_data_ecommerce": {
    "mappings": {
      "properties": {
        "category": {
          "type": "text",
          "fields": {
            "keyword": {
              "type": "keyword"
            }
          }
        },
        "currency": {
          "type": "keyword"
        },
        "customer_birth_date": {
          "type": "date"
        },
        "customer_first_name": {
          "type": "text",
          "fields": {
            "keyword": {
              "type": "keyword",
              "ignore_above": 256
            }
          }
        },
        "customer_full_name": {
          "type": "text",
          "fields": {
            "keyword": {
              "type": "keyword",
              "ignore_above": 256
            }
          }
```

```json
        }
      },
      "customer_gender": {
        "type": "keyword"
      },
      "customer_id": {
        "type": "keyword"
      },
      "customer_last_name": {
        "type": "text",
        "fields": {
          "keyword": {
            "type": "keyword",
            "ignore_above": 256
          }
        }
      },
      "customer_phone": {
        "type": "keyword"
      },
      "day_of_week": {
        "type": "keyword"
      },
      "day_of_week_i": {
        "type": "integer"
      },
      "email": {
        "type": "keyword"
      },
      "event": {
        "properties": {
          "dataset": {
            "type": "keyword"
          }
        }
      },
      "geoip": {
        "properties": {
          "city_name": {
            "type": "keyword"
          },
          "continent_name": {
            "type": "keyword"
          },
          "country_iso_code": {
            "type": "keyword"
          },
          "location": {
            "type": "geo_point"
          },
          "region_name": {
            "type": "keyword"
          }
```

```
        }
      },
      "manufacturer": {
        "type": "text",
        "fields": {
          "keyword": {
            "type": "keyword"
          }
        }
      },
      "order_date": {
        "type": "date"
      },
      "order_id": {
        "type": "keyword"
      },
      "products": {
        "properties": {
          "_id": {
            "type": "text",
            "fields": {
              "keyword": {
                "type": "keyword",
                "ignore_above": 256
              }
            }
          },
          "base_price": {
            "type": "half_float"
          },
          "base_unit_price": {
            "type": "half_float"
          },
          "category": {
            "type": "text",
            "fields": {
              "keyword": {
                "type": "keyword"
              }
            }
          },
          "created_on": {
            "type": "date"
          },
          "discount_amount": {
            "type": "half_float"
          },
          "discount_percentage": {
            "type": "half_float"
          },
          "manufacturer": {
            "type": "text",
            "fields": {
```

```json
          "keyword": {
            "type": "keyword"
          }
        }
      },
      "min_price": {
        "type": "half_float"
      },
      "price": {
        "type": "half_float"
      },
      "product_id": {
        "type": "long"
      },
      "product_name": {
        "type": "text",
        "fields": {
          "keyword": {
            "type": "keyword"
          }
        },
        "analyzer": "english"
      },
      "quantity": {
        "type": "integer"
      },
      "sku": {
        "type": "keyword"
      },
      "tax_amount": {
        "type": "half_float"
      },
      "taxful_price": {
        "type": "half_float"
      },
      "taxless_price": {
        "type": "half_float"
      },
      "unit_discount_amount": {
        "type": "half_float"
      }
    }
  },
  "sku": {
    "type": "keyword"
  },
  "taxful_total_price": {
    "type": "half_float"
  },
  "taxless_total_price": {
    "type": "half_float"
  },
  "total_quantity": {
```

```
          "type": "integer"
        },
        "total_unique_products": {
          "type": "integer"
        },
        "type": {
          "type": "keyword"
        },
        "user": {
          "type": "keyword"
        }
      }
    }
  }
}
```