C. ElasticSearch et Kibana - Index kibana\_sample\_data\_ecommerce (8 Pts)

14 Quel est le nombre total et le montant total d’articles vendus en europe

GET /kibana\_sample\_data\_ecommerce/\_search

{

"size": 0,

"query": {

"bool": {

"must": [

{"match": {

"geoip.continent\_name": "Europe"

}}

]

}

},

"aggs": {

"produits-sku": {

"value\_count": {

"field": "products.sku"

}

},

"montant-total":{

"sum": {

"field": "products.price"

}

}

},

"\_source": "geoip.continent\_name"

}

Response:

{

"took" : 2,

"timed\_out" : false,

"\_shards" : {

"total" : 1,

"successful" : 1,

"skipped" : 0,

"failed" : 0

},

"hits" : {

"total" : {

"value" : 1172,

"relation" : "eq"

},

"max\_score" : null,

"hits" : [ ]

},

"aggregations" : {

"produits-sku" : {

"value" : 2415

},

"montant-total" : {

"value" : 83838.41796875

}

}

}

15. Quel utilisateur a réalisé la meilleure vente en 2020 ?

GET kibana\_sample\_data\_ecommerce/\_search

{

  "size": 0,

   "query": {

        "range" : {

            "order\_date": {

                "gte": "2019-12-31",

                "lte": "2020-12-31"

            }

        }

    },

  "aggregations": {

    "jour": {

      "terms": {

        "field": "user",

        "size": 1

      },

      "aggs": {

        "note\_moy": {

          "sum": {

            "field": "total\_quantity"

          }

        }

      }

    }

  }

}

Reponse :

{

"took" : 1,

"timed\_out" : false,

"\_shards" : {

"total" : 1,

"successful" : 1,

"skipped" : 0,

"failed" : 0

},

"hits" : {

"total" : {

"value" : 4675,

"relation" : "eq"

},

"max\_score" : null,

"hits" : [ ]

},

"aggregations" : {

"jour" : {

"doc\_count\_error\_upper\_bound" : 0,

"sum\_other\_doc\_count" : 4327,

"buckets" : [

{

"key" : "elyssa",

"doc\_count" : 348,

"note\_moy" : {

"value" : 878.0

}

}

]

}

}

}

16. Quelle est la catégorie d’article la plus vendue en Asie ?

GET kibana\_sample\_data\_ecommerce/\_search

{

  "query": {

    "bool": {

      "must": {

        "match": {

          "geoip.continent\_name": "Asia"

        }}

    }

  },

  "aggs": {

    "by\_category": {

      "terms": {

        "field": "category.keyword"

        }

    }

  }

}

Reponse :

{

"took" : 7,

"timed\_out" : false,

"\_shards" : {

"total" : 1,

"successful" : 1,

"skipped" : 0,

"failed" : 0

},

"hits" : {

"total" : {

"value" : 1220,

"relation" : "eq"

},

"max\_score" : 1.3431824,

"hits" : [

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "3U4RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Women's Clothing"

],

"currency" : "EUR",

"customer\_first\_name" : "Mary",

"customer\_full\_name" : "Mary Bailey",

"customer\_gender" : "FEMALE",

"customer\_id" : 20,

"customer\_last\_name" : "Bailey",

"customer\_phone" : "",

"day\_of\_week" : "Sunday",

"day\_of\_week\_i" : 6,

"email" : "mary@bailey-family.zzz",

"manufacturer" : [

"Champion Arts",

"Pyramidustries"

],

"order\_date" : "2020-02-16T21:59:02+00:00",

"order\_id" : 584021,

"products" : [

{

"base\_price" : 24.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Champion Arts",

"tax\_amount" : 0,

"product\_id" : 11238,

"category" : "Women's Clothing",

"sku" : "ZO0489604896",

"taxless\_price" : 24.99,

"unit\_discount\_amount" : 0,

"min\_price" : 11.75,

"\_id" : "sold\_product\_584021\_11238",

"discount\_amount" : 0,

"created\_on" : "2016-12-25T21:59:02+00:00",

"product\_name" : "Denim dress - black denim",

"price" : 24.99,

"taxful\_price" : 24.99,

"base\_unit\_price" : 24.99

},

{

"base\_price" : 28.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Pyramidustries",

"tax\_amount" : 0,

"product\_id" : 20149,

"category" : "Women's Clothing",

"sku" : "ZO0185501855",

"taxless\_price" : 28.99,

"unit\_discount\_amount" : 0,

"min\_price" : 15.65,

"\_id" : "sold\_product\_584021\_20149",

"discount\_amount" : 0,

"created\_on" : "2016-12-25T21:59:02+00:00",

"product\_name" : "Shorts - black",

"price" : 28.99,

"taxful\_price" : 28.99,

"base\_unit\_price" : 28.99

}

],

"sku" : [

"ZO0489604896",

"ZO0185501855"

],

"taxful\_total\_price" : 53.98,

"taxless\_total\_price" : 53.98,

"total\_quantity" : 2,

"total\_unique\_products" : 2,

"type" : "order",

"user" : "mary",

"geoip" : {

"country\_iso\_code" : "AE",

"location" : {

"lon" : 55.3,

"lat" : 25.3

},

"region\_name" : "Dubai",

"continent\_name" : "Asia",

"city\_name" : "Dubai"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "5U4RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Women's Shoes",

"Women's Clothing"

],

"currency" : "EUR",

"customer\_first\_name" : "Rabbia Al",

"customer\_full\_name" : "Rabbia Al Baker",

"customer\_gender" : "FEMALE",

"customer\_id" : 5,

"customer\_last\_name" : "Baker",

"customer\_phone" : "",

"day\_of\_week" : "Monday",

"day\_of\_week\_i" : 0,

"email" : "rabbia al@baker-family.zzz",

"manufacturer" : [

"Oceanavigations",

"Tigress Enterprises",

"Champion Arts",

"Pyramidustries"

],

"order\_date" : "2020-02-17T03:41:46+00:00",

"order\_id" : 727269,

"products" : [

{

"base\_price" : 74.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 22880,

"category" : "Women's Shoes",

"sku" : "ZO0249902499",

"taxless\_price" : 74.99,

"unit\_discount\_amount" : 0,

"min\_price" : 35.25,

"\_id" : "sold\_product\_727269\_22880",

"discount\_amount" : 0,

"created\_on" : "2016-12-26T03:41:46+00:00",

"product\_name" : "Boots - black",

"price" : 74.99,

"taxful\_price" : 74.99,

"base\_unit\_price" : 74.99

},

{

"base\_price" : 32.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Tigress Enterprises",

"tax\_amount" : 0,

"product\_id" : 12484,

"category" : "Women's Clothing",

"sku" : "ZO0068400684",

"taxless\_price" : 32.99,

"unit\_discount\_amount" : 0,

"min\_price" : 17.48,

"\_id" : "sold\_product\_727269\_12484",

"discount\_amount" : 0,

"created\_on" : "2016-12-26T03:41:46+00:00",

"product\_name" : "Cardigan - black/white",

"price" : 32.99,

"taxful\_price" : 32.99,

"base\_unit\_price" : 32.99

},

{

"base\_price" : 13.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Champion Arts",

"tax\_amount" : 0,

"product\_id" : 21362,

"category" : "Women's Clothing",

"sku" : "ZO0494704947",

"taxless\_price" : 13.99,

"unit\_discount\_amount" : 0,

"min\_price" : 6.58,

"\_id" : "sold\_product\_727269\_21362",

"discount\_amount" : 0,

"created\_on" : "2016-12-26T03:41:46+00:00",

"product\_name" : "Long sleeved top - blue",

"price" : 13.99,

"taxful\_price" : 13.99,

"base\_unit\_price" : 13.99

},

{

"base\_price" : 49.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Pyramidustries",

"tax\_amount" : 0,

"product\_id" : 13854,

"category" : "Women's Shoes",

"sku" : "ZO0143401434",

"taxless\_price" : 49.99,

"unit\_discount\_amount" : 0,

"min\_price" : 25.49,

"\_id" : "sold\_product\_727269\_13854",

"discount\_amount" : 0,

"created\_on" : "2016-12-26T03:41:46+00:00",

"product\_name" : "Lace-up boots - black",

"price" : 49.99,

"taxful\_price" : 49.99,

"base\_unit\_price" : 49.99

}

],

"sku" : [

"ZO0249902499",

"ZO0068400684",

"ZO0494704947",

"ZO0143401434"

],

"taxful\_total\_price" : 171.96,

"taxless\_total\_price" : 171.96,

"total\_quantity" : 4,

"total\_unique\_products" : 4,

"type" : "order",

"user" : "rabbia",

"geoip" : {

"country\_iso\_code" : "AE",

"location" : {

"lon" : 55.3,

"lat" : 25.3

},

"region\_name" : "Dubai",

"continent\_name" : "Asia",

"city\_name" : "Dubai"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "5k4RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Women's Accessories",

"Women's Clothing",

"Women's Shoes"

],

"currency" : "EUR",

"customer\_first\_name" : "Rabbia Al",

"customer\_full\_name" : "Rabbia Al Romero",

"customer\_gender" : "FEMALE",

"customer\_id" : 5,

"customer\_last\_name" : "Romero",

"customer\_phone" : "",

"day\_of\_week" : "Monday",

"day\_of\_week\_i" : 0,

"email" : "rabbia al@romero-family.zzz",

"manufacturer" : [

"Tigress Enterprises",

"Pyramidustries",

"Oceanavigations"

],

"order\_date" : "2020-02-10T10:46:34+00:00",

"order\_id" : 727381,

"products" : [

{

"base\_price" : 28.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Tigress Enterprises",

"tax\_amount" : 0,

"product\_id" : 18383,

"category" : "Women's Accessories",

"sku" : "ZO0089100891",

"taxless\_price" : 28.99,

"unit\_discount\_amount" : 0,

"min\_price" : 13.05,

"\_id" : "sold\_product\_727381\_18383",

"discount\_amount" : 0,

"created\_on" : "2016-12-19T10:46:34+00:00",

"product\_name" : "Handbag - taupe/black/pink",

"price" : 28.99,

"taxful\_price" : 28.99,

"base\_unit\_price" : 28.99

},

{

"base\_price" : 11.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Pyramidustries",

"tax\_amount" : 0,

"product\_id" : 16651,

"category" : "Women's Clothing",

"sku" : "ZO0157601576",

"taxless\_price" : 11.99,

"unit\_discount\_amount" : 0,

"min\_price" : 6.11,

"\_id" : "sold\_product\_727381\_16651",

"discount\_amount" : 0,

"created\_on" : "2016-12-19T10:46:34+00:00",

"product\_name" : "Vest - white",

"price" : 11.99,

"taxful\_price" : 11.99,

"base\_unit\_price" : 11.99

},

{

"base\_price" : 36.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Tigress Enterprises",

"tax\_amount" : 0,

"product\_id" : 13090,

"category" : "Women's Clothing",

"sku" : "ZO0035300353",

"taxless\_price" : 36.99,

"unit\_discount\_amount" : 0,

"min\_price" : 20.34,

"\_id" : "sold\_product\_727381\_13090",

"discount\_amount" : 0,

"created\_on" : "2016-12-19T10:46:34+00:00",

"product\_name" : "Summer dress - black",

"price" : 36.99,

"taxful\_price" : 36.99,

"base\_unit\_price" : 36.99

},

{

"base\_price" : 64.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 7438,

"category" : "Women's Shoes",

"sku" : "ZO0251402514",

"taxless\_price" : 64.99,

"unit\_discount\_amount" : 0,

"min\_price" : 34.44,

"\_id" : "sold\_product\_727381\_7438",

"discount\_amount" : 0,

"created\_on" : "2016-12-19T10:46:34+00:00",

"product\_name" : "Trainers - Midnight Blue",

"price" : 64.99,

"taxful\_price" : 64.99,

"base\_unit\_price" : 64.99

}

],

"sku" : [

"ZO0089100891",

"ZO0157601576",

"ZO0035300353",

"ZO0251402514"

],

"taxful\_total\_price" : 142.96,

"taxless\_total\_price" : 142.96,

"total\_quantity" : 4,

"total\_unique\_products" : 4,

"type" : "order",

"user" : "rabbia",

"geoip" : {

"country\_iso\_code" : "AE",

"location" : {

"lon" : 55.3,

"lat" : 25.3

},

"region\_name" : "Dubai",

"continent\_name" : "Asia",

"city\_name" : "Dubai"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "6E4RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Men's Accessories",

"Men's Clothing",

"Men's Shoes"

],

"currency" : "EUR",

"customer\_first\_name" : "Sultan Al",

"customer\_full\_name" : "Sultan Al Pratt",

"customer\_gender" : "MALE",

"customer\_id" : 19,

"customer\_last\_name" : "Pratt",

"customer\_phone" : "",

"day\_of\_week" : "Wednesday",

"day\_of\_week\_i" : 2,

"email" : "sultan al@pratt-family.zzz",

"manufacturer" : [

"Low Tide Media",

"Microlutions",

"Elitelligence"

],

"order\_date" : "2020-02-19T14:15:22+00:00",

"order\_id" : 720666,

"products" : [

{

"base\_price" : 32.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 18185,

"category" : "Men's Accessories",

"sku" : "ZO0464804648",

"taxless\_price" : 32.99,

"unit\_discount\_amount" : 0,

"min\_price" : 17.48,

"\_id" : "sold\_product\_720666\_18185",

"discount\_amount" : 0,

"created\_on" : "2016-12-28T14:15:22+00:00",

"product\_name" : "Weekend bag - brown/brown",

"price" : 32.99,

"taxful\_price" : 32.99,

"base\_unit\_price" : 32.99

},

{

"base\_price" : 32.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Microlutions",

"tax\_amount" : 0,

"product\_id" : 23557,

"category" : "Men's Clothing",

"sku" : "ZO0122401224",

"taxless\_price" : 32.99,

"unit\_discount\_amount" : 0,

"min\_price" : 15.51,

"\_id" : "sold\_product\_720666\_23557",

"discount\_amount" : 0,

"created\_on" : "2016-12-28T14:15:22+00:00",

"product\_name" : "Jumper - beige",

"price" : 32.99,

"taxful\_price" : 32.99,

"base\_unit\_price" : 32.99

},

{

"base\_price" : 41.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 18002,

"category" : "Men's Shoes",

"sku" : "ZO0397103971",

"taxless\_price" : 41.99,

"unit\_discount\_amount" : 0,

"min\_price" : 21.41,

"\_id" : "sold\_product\_720666\_18002",

"discount\_amount" : 0,

"created\_on" : "2016-12-28T14:15:22+00:00",

"product\_name" : "Boots - brown",

"price" : 41.99,

"taxful\_price" : 41.99,

"base\_unit\_price" : 41.99

},

{

"base\_price" : 16.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Elitelligence",

"tax\_amount" : 0,

"product\_id" : 16950,

"category" : "Men's Clothing",

"sku" : "ZO0565705657",

"taxless\_price" : 16.99,

"unit\_discount\_amount" : 0,

"min\_price" : 9.34,

"\_id" : "sold\_product\_720666\_16950",

"discount\_amount" : 0,

"created\_on" : "2016-12-28T14:15:22+00:00",

"product\_name" : "Long sleeved top - Medium Slate Blue",

"price" : 16.99,

"taxful\_price" : 16.99,

"base\_unit\_price" : 16.99

}

],

"sku" : [

"ZO0464804648",

"ZO0122401224",

"ZO0397103971",

"ZO0565705657"

],

"taxful\_total\_price" : 124.96,

"taxless\_total\_price" : 124.96,

"total\_quantity" : 4,

"total\_unique\_products" : 4,

"type" : "order",

"user" : "sultan",

"geoip" : {

"country\_iso\_code" : "AE",

"location" : {

"lon" : 54.4,

"lat" : 24.5

},

"region\_name" : "Abu Dhabi",

"continent\_name" : "Asia",

"city\_name" : "Abu Dhabi"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "6k4RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Men's Clothing",

"Men's Shoes",

"Women's Accessories"

],

"currency" : "EUR",

"customer\_first\_name" : "Sultan Al",

"customer\_full\_name" : "Sultan Al Thompson",

"customer\_gender" : "MALE",

"customer\_id" : 19,

"customer\_last\_name" : "Thompson",

"customer\_phone" : "",

"day\_of\_week" : "Tuesday",

"day\_of\_week\_i" : 1,

"email" : "sultan al@thompson-family.zzz",

"manufacturer" : [

"Microlutions",

"Elitelligence",

"Low Tide Media",

"Oceanavigations"

],

"order\_date" : "2020-02-11T21:24:29+00:00",

"order\_id" : 721826,

"products" : [

{

"base\_price" : 32.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Microlutions",

"tax\_amount" : 0,

"product\_id" : 20018,

"category" : "Men's Clothing",

"sku" : "ZO0125301253",

"taxless\_price" : 32.99,

"unit\_discount\_amount" : 0,

"min\_price" : 16.17,

"\_id" : "sold\_product\_721826\_20018",

"discount\_amount" : 0,

"created\_on" : "2016-12-20T21:24:29+00:00",

"product\_name" : "Sweatshirt - Medium Spring Green",

"price" : 32.99,

"taxful\_price" : 32.99,

"base\_unit\_price" : 32.99

},

{

"base\_price" : 24.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Elitelligence",

"tax\_amount" : 0,

"product\_id" : 19674,

"category" : "Men's Shoes",

"sku" : "ZO0507105071",

"taxless\_price" : 24.99,

"unit\_discount\_amount" : 0,

"min\_price" : 11.75,

"\_id" : "sold\_product\_721826\_19674",

"discount\_amount" : 0,

"created\_on" : "2016-12-20T21:24:29+00:00",

"product\_name" : "Trainers - brown",

"price" : 24.99,

"taxful\_price" : 24.99,

"base\_unit\_price" : 24.99

},

{

"base\_price" : 74.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 15667,

"category" : "Men's Clothing",

"sku" : "ZO0428704287",

"taxless\_price" : 74.99,

"unit\_discount\_amount" : 0,

"min\_price" : 33.75,

"\_id" : "sold\_product\_721826\_15667",

"discount\_amount" : 0,

"created\_on" : "2016-12-20T21:24:29+00:00",

"product\_name" : "Summer jacket - dark blue",

"price" : 74.99,

"taxful\_price" : 74.99,

"base\_unit\_price" : 74.99

},

{

"base\_price" : 41.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 12699,

"category" : "Women's Accessories",

"sku" : "ZO0320003200",

"taxless\_price" : 41.99,

"unit\_discount\_amount" : 0,

"min\_price" : 22.67,

"\_id" : "sold\_product\_721826\_12699",

"discount\_amount" : 0,

"created\_on" : "2016-12-20T21:24:29+00:00",

"product\_name" : "Weekend bag - dessert",

"price" : 41.99,

"taxful\_price" : 41.99,

"base\_unit\_price" : 41.99

}

],

"sku" : [

"ZO0125301253",

"ZO0507105071",

"ZO0428704287",

"ZO0320003200"

],

"taxful\_total\_price" : 174.96,

"taxless\_total\_price" : 174.96,

"total\_quantity" : 4,

"total\_unique\_products" : 4,

"type" : "order",

"user" : "sultan",

"geoip" : {

"country\_iso\_code" : "AE",

"location" : {

"lon" : 54.4,

"lat" : 24.5

},

"region\_name" : "Abu Dhabi",

"continent\_name" : "Asia",

"city\_name" : "Abu Dhabi"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "604RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Men's Shoes",

"Men's Clothing",

"Women's Accessories",

"Men's Accessories"

],

"currency" : "EUR",

"customer\_first\_name" : "Sultan Al",

"customer\_full\_name" : "Sultan Al Boone",

"customer\_gender" : "MALE",

"customer\_id" : 19,

"customer\_last\_name" : "Boone",

"customer\_phone" : "",

"day\_of\_week" : "Saturday",

"day\_of\_week\_i" : 5,

"email" : "sultan al@boone-family.zzz",

"manufacturer" : [

"Angeldale",

"Oceanavigations",

"Microlutions"

],

"order\_date" : "2020-02-22T08:28:19+00:00",

"order\_id" : 716724,

"products" : [

{

"base\_price" : 79.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Angeldale",

"tax\_amount" : 0,

"product\_id" : 23975,

"category" : "Men's Shoes",

"sku" : "ZO0687606876",

"taxless\_price" : 79.99,

"unit\_discount\_amount" : 0,

"min\_price" : 42.39,

"\_id" : "sold\_product\_716724\_23975",

"discount\_amount" : 0,

"created\_on" : "2016-12-31T08:28:19+00:00",

"product\_name" : "Winter boots - cognac",

"price" : 79.99,

"taxful\_price" : 79.99,

"base\_unit\_price" : 79.99

},

{

"base\_price" : 59.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 6338,

"category" : "Men's Clothing",

"sku" : "ZO0290502905",

"taxless\_price" : 59.99,

"unit\_discount\_amount" : 0,

"min\_price" : 32.99,

"\_id" : "sold\_product\_716724\_6338",

"discount\_amount" : 0,

"created\_on" : "2016-12-31T08:28:19+00:00",

"product\_name" : "Trenchcoat - black",

"price" : 59.99,

"taxful\_price" : 59.99,

"base\_unit\_price" : 59.99

},

{

"base\_price" : 21.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Microlutions",

"tax\_amount" : 0,

"product\_id" : 14116,

"category" : "Women's Accessories",

"sku" : "ZO0126701267",

"taxless\_price" : 21.99,

"unit\_discount\_amount" : 0,

"min\_price" : 10.34,

"\_id" : "sold\_product\_716724\_14116",

"discount\_amount" : 0,

"created\_on" : "2016-12-31T08:28:19+00:00",

"product\_name" : "Watch - black",

"price" : 21.99,

"taxful\_price" : 21.99,

"base\_unit\_price" : 21.99

},

{

"base\_price" : 11.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 15290,

"category" : "Men's Accessories",

"sku" : "ZO0308503085",

"taxless\_price" : 11.99,

"unit\_discount\_amount" : 0,

"min\_price" : 6.11,

"\_id" : "sold\_product\_716724\_15290",

"discount\_amount" : 0,

"created\_on" : "2016-12-31T08:28:19+00:00",

"product\_name" : "Hat - light grey multicolor",

"price" : 11.99,

"taxful\_price" : 11.99,

"base\_unit\_price" : 11.99

}

],

"sku" : [

"ZO0687606876",

"ZO0290502905",

"ZO0126701267",

"ZO0308503085"

],

"taxful\_total\_price" : 173.96,

"taxless\_total\_price" : 173.96,

"total\_quantity" : 4,

"total\_unique\_products" : 4,

"type" : "order",

"user" : "sultan",

"geoip" : {

"country\_iso\_code" : "AE",

"location" : {

"lon" : 54.4,

"lat" : 24.5

},

"region\_name" : "Abu Dhabi",

"continent\_name" : "Asia",

"city\_name" : "Abu Dhabi"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "8k4RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Women's Shoes",

"Women's Clothing"

],

"currency" : "EUR",

"customer\_first\_name" : "Mary",

"customer\_full\_name" : "Mary Barber",

"customer\_gender" : "FEMALE",

"customer\_id" : 20,

"customer\_last\_name" : "Barber",

"customer\_phone" : "",

"day\_of\_week" : "Friday",

"day\_of\_week\_i" : 4,

"email" : "mary@barber-family.zzz",

"manufacturer" : [

"Gnomehouse",

"Spherecords Maternity"

],

"order\_date" : "2020-02-14T00:18:43+00:00",

"order\_id" : 579996,

"products" : [

{

"base\_price" : 49.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Gnomehouse",

"tax\_amount" : 0,

"product\_id" : 18807,

"category" : "Women's Shoes",

"sku" : "ZO0325203252",

"taxless\_price" : 49.99,

"unit\_discount\_amount" : 0,

"min\_price" : 25.99,

"\_id" : "sold\_product\_579996\_18807",

"discount\_amount" : 0,

"created\_on" : "2016-12-23T00:18:43+00:00",

"product\_name" : "Ankle boots - black",

"price" : 49.99,

"taxful\_price" : 49.99,

"base\_unit\_price" : 49.99

},

{

"base\_price" : 13.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Spherecords Maternity",

"tax\_amount" : 0,

"product\_id" : 16407,

"category" : "Women's Clothing",

"sku" : "ZO0705207052",

"taxless\_price" : 13.99,

"unit\_discount\_amount" : 0,

"min\_price" : 7,

"\_id" : "sold\_product\_579996\_16407",

"discount\_amount" : 0,

"created\_on" : "2016-12-23T00:18:43+00:00",

"product\_name" : "Maxi skirt - mid grey multicolor",

"price" : 13.99,

"taxful\_price" : 13.99,

"base\_unit\_price" : 13.99

}

],

"sku" : [

"ZO0325203252",

"ZO0705207052"

],

"taxful\_total\_price" : 63.98,

"taxless\_total\_price" : 63.98,

"total\_quantity" : 2,

"total\_unique\_products" : 2,

"type" : "order",

"user" : "mary",

"geoip" : {

"country\_iso\_code" : "AE",

"location" : {

"lon" : 55.3,

"lat" : 25.3

},

"region\_name" : "Dubai",

"continent\_name" : "Asia",

"city\_name" : "Dubai"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "-k4RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Men's Clothing"

],

"currency" : "EUR",

"customer\_first\_name" : "Robbie",

"customer\_full\_name" : "Robbie Wells",

"customer\_gender" : "MALE",

"customer\_id" : 48,

"customer\_last\_name" : "Wells",

"customer\_phone" : "",

"day\_of\_week" : "Friday",

"day\_of\_week\_i" : 4,

"email" : "robbie@wells-family.zzz",

"manufacturer" : [

"Oceanavigations",

"Low Tide Media"

],

"order\_date" : "2020-02-14T05:24:00+00:00",

"order\_id" : 580305,

"products" : [

{

"base\_price" : 24.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 13031,

"category" : "Men's Clothing",

"sku" : "ZO0297302973",

"taxless\_price" : 24.99,

"unit\_discount\_amount" : 0,

"min\_price" : 11.5,

"\_id" : "sold\_product\_580305\_13031",

"discount\_amount" : 0,

"created\_on" : "2016-12-23T05:24:00+00:00",

"product\_name" : "Jumper - black/white",

"price" : 24.99,

"taxful\_price" : 24.99,

"base\_unit\_price" : 24.99

},

{

"base\_price" : 11.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 18236,

"category" : "Men's Clothing",

"sku" : "ZO0441804418",

"taxless\_price" : 11.99,

"unit\_discount\_amount" : 0,

"min\_price" : 5.76,

"\_id" : "sold\_product\_580305\_18236",

"discount\_amount" : 0,

"created\_on" : "2016-12-23T05:24:00+00:00",

"product\_name" : "Polo shirt - bordeaux",

"price" : 11.99,

"taxful\_price" : 11.99,

"base\_unit\_price" : 11.99

}

],

"sku" : [

"ZO0297302973",

"ZO0441804418"

],

"taxful\_total\_price" : 36.98,

"taxless\_total\_price" : 36.98,

"total\_quantity" : 2,

"total\_unique\_products" : 2,

"type" : "order",

"user" : "robbie",

"geoip" : {

"country\_iso\_code" : "AE",

"location" : {

"lon" : 55.3,

"lat" : 25.3

},

"region\_name" : "Dubai",

"continent\_name" : "Asia",

"city\_name" : "Dubai"

}

}

},

{

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"\_id" : "\_E4RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Men's Clothing"

],

"currency" : "EUR",

"customer\_first\_name" : "Kamal",

"customer\_full\_name" : "Kamal Jenkins",

"customer\_gender" : "MALE",

"customer\_id" : 39,

"customer\_last\_name" : "Jenkins",

"customer\_phone" : "",

"day\_of\_week" : "Thursday",

"day\_of\_week\_i" : 3,

"email" : "kamal@jenkins-family.zzz",

"manufacturer" : [

"Low Tide Media",

"Elitelligence"

],

"order\_date" : "2020-02-13T04:55:12+00:00",

"order\_id" : 578926,

"products" : [

{

"base\_price" : 10.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 11201,

"category" : "Men's Clothing",

"sku" : "ZO0474204742",

"taxless\_price" : 10.99,

"unit\_discount\_amount" : 0,

"min\_price" : 5.71,

"\_id" : "sold\_product\_578926\_11201",

"discount\_amount" : 0,

"created\_on" : "2016-12-22T04:55:12+00:00",

"product\_name" : "2 PACK - Boxer shorts - dark blue/light blue",

"price" : 10.99,

"taxful\_price" : 10.99,

"base\_unit\_price" : 10.99

},

{

"base\_price" : 20.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Elitelligence",

"tax\_amount" : 0,

"product\_id" : 18394,

"category" : "Men's Clothing",

"sku" : "ZO0574005740",

"taxless\_price" : 20.99,

"unit\_discount\_amount" : 0,

"min\_price" : 10.7,

"\_id" : "sold\_product\_578926\_18394",

"discount\_amount" : 0,

"created\_on" : "2016-12-22T04:55:12+00:00",

"product\_name" : "Jumper - black",

"price" : 20.99,

"taxful\_price" : 20.99,

"base\_unit\_price" : 20.99

}

],

"sku" : [

"ZO0474204742",

"ZO0574005740"

],

"taxful\_total\_price" : 31.98,

"taxless\_total\_price" : 31.98,

"total\_quantity" : 2,

"total\_unique\_products" : 2,

"type" : "order",

"user" : "kamal",

"geoip" : {

"country\_iso\_code" : "TR",

"location" : {

"lon" : 29,

"lat" : 41

},

"region\_name" : "Istanbul",

"continent\_name" : "Asia",

"city\_name" : "Istanbul"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "\_04RJHABDxj\_cPRgyT5k",

"\_score" : 1.3431824,

"\_source" : {

"category" : [

"Men's Shoes"

],

"currency" : "EUR",

"customer\_first\_name" : "Recip",

"customer\_full\_name" : "Recip Gregory",

"customer\_gender" : "MALE",

"customer\_id" : 10,

"customer\_last\_name" : "Gregory",

"customer\_phone" : "",

"day\_of\_week" : "Thursday",

"day\_of\_week\_i" : 3,

"email" : "recip@gregory-family.zzz",

"manufacturer" : [

"Low Tide Media",

"Oceanavigations"

],

"order\_date" : "2020-02-13T00:02:53+00:00",

"order\_id" : 578650,

"products" : [

{

"base\_price" : 59.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 16131,

"category" : "Men's Shoes",

"sku" : "ZO0401004010",

"taxless\_price" : 59.99,

"unit\_discount\_amount" : 0,

"min\_price" : 27,

"\_id" : "sold\_product\_578650\_16131",

"discount\_amount" : 0,

"created\_on" : "2016-12-22T00:02:53+00:00",

"product\_name" : "Lace-up boots - black",

"price" : 59.99,

"taxful\_price" : 59.99,

"base\_unit\_price" : 59.99

},

{

"base\_price" : 59.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 15886,

"category" : "Men's Shoes",

"sku" : "ZO0257802578",

"taxless\_price" : 59.99,

"unit\_discount\_amount" : 0,

"min\_price" : 32.99,

"\_id" : "sold\_product\_578650\_15886",

"discount\_amount" : 0,

"created\_on" : "2016-12-22T00:02:53+00:00",

"product\_name" : "Boots - dark brown",

"price" : 59.99,

"taxful\_price" : 59.99,

"base\_unit\_price" : 59.99

}

],

"sku" : [

"ZO0401004010",

"ZO0257802578"

],

"taxful\_total\_price" : 119.98,

"taxless\_total\_price" : 119.98,

"total\_quantity" : 2,

"total\_unique\_products" : 2,

"type" : "order",

"user" : "recip",

"geoip" : {

"country\_iso\_code" : "TR",

"location" : {

"lon" : 29,

"lat" : 41

},

"region\_name" : "Istanbul",

"continent\_name" : "Asia",

"city\_name" : "Istanbul"

}

}

}

]

},

"aggregations" : {

"by\_category" : {

"doc\_count\_error\_upper\_bound" : 0,

"sum\_other\_doc\_count" : 0,

"buckets" : [

{

"key" : "Men's Clothing",

"doc\_count" : 663

},

{

"key" : "Women's Clothing",

"doc\_count" : 370

},

{

"key" : "Men's Shoes",

"doc\_count" : 318

},

{

"key" : "Women's Shoes",

"doc\_count" : 219

},

{

"key" : "Men's Accessories",

"doc\_count" : 179

},

{

"key" : "Women's Accessories",

"doc\_count" : 174

}

]

}

}

}

17. Quels sont les pays des ventes réalisées par les utilisateurs « clarice», « irwin », et  
« sultan » ?

GET kibana\_sample\_data\_ecommerce/\_search

{

  "query": {

    "bool": {

      "should": [

        {"match": {"user": "clarice"}},

        {"match": {"user": "irwin"}},

        {"match": {"user": "sultan"}}

        ]

    }

  },

  "aggs": {

    "contry": {

      "terms": {"field": "geoip.country\_iso\_code"}

    }

  }

}

Reponse :

{

"took" : 62,

"timed\_out" : false,

"\_shards" : {

"total" : 1,

"successful" : 1,

"skipped" : 0,

"failed" : 0

},

"hits" : {

"total" : {

"value" : 313,

"relation" : "eq"

},

"max\_score" : 4.1666117,

"hits" : [

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "i04RJHABDxj\_cPRgyT9l",

"\_score" : 4.1666117,

"\_source" : {

"category" : [

"Men's Shoes",

"Men's Clothing"

],

"currency" : "EUR",

"customer\_first\_name" : "Irwin",

"customer\_full\_name" : "Irwin Shaw",

"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Shaw",

"customer\_phone" : "",

"day\_of\_week" : "Wednesday",

"day\_of\_week\_i" : 2,

"email" : "irwin@shaw-family.zzz",

"manufacturer" : [

"Low Tide Media",

"Oceanavigations"

],

"order\_date" : "2020-01-29T16:00:29+00:00",

"order\_id" : 559416,

"products" : [

{

"base\_price" : 49.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 1476,

"category" : "Men's Shoes",

"sku" : "ZO0389403894",

"taxless\_price" : 49.99,

"unit\_discount\_amount" : 0,

"min\_price" : 23.5,

"\_id" : "sold\_product\_559416\_1476",

"discount\_amount" : 0,

"created\_on" : "2016-12-07T16:00:29+00:00",

"product\_name" : "Smart lace-ups - navy",

"price" : 49.99,

"taxful\_price" : 49.99,

"base\_unit\_price" : 49.99

},

{

"base\_price" : 24.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 20485,

"category" : "Men's Clothing",

"sku" : "ZO0296202962",

"taxless\_price" : 24.99,

"unit\_discount\_amount" : 0,

"min\_price" : 12.99,

"\_id" : "sold\_product\_559416\_20485",

"discount\_amount" : 0,

"created\_on" : "2016-12-07T16:00:29+00:00",

"product\_name" : "Cardigan - dark grey",

"price" : 24.99,

"taxful\_price" : 24.99,

"base\_unit\_price" : 24.99

}

],

"sku" : [

"ZO0389403894",

"ZO0296202962"

],

"taxful\_total\_price" : 74.98,

"taxless\_total\_price" : 74.98,

"total\_quantity" : 2,

"total\_unique\_products" : 2,

"type" : "order",

"user" : "irwin",

"geoip" : {

"country\_iso\_code" : "CO",

"location" : {

"lon" : -74.1,

"lat" : 4.6

},

"region\_name" : "Bogota D.C.",

"continent\_name" : "South America",

"city\_name" : "Bogotu00e1"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "xU4RJHABDxj\_cPRgyT9l",

"\_score" : 4.1666117,

"\_source" : {

"category" : [

"Men's Clothing",

"Men's Shoes"

],

"currency" : "EUR",

"customer\_first\_name" : "Irwin",

"customer\_full\_name" : "Irwin Benson",

"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Benson",

"customer\_phone" : "",

"day\_of\_week" : "Friday",

"day\_of\_week\_i" : 4,

"email" : "irwin@benson-family.zzz",

"manufacturer" : [

"Spritechnologies",

"Low Tide Media"

],

"order\_date" : "2020-02-14T00:15:50+00:00",

"order\_id" : 579992,

"products" : [

{

"base\_price" : 84.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Spritechnologies",

"tax\_amount" : 0,

"product\_id" : 20672,

"category" : "Men's Clothing",

"sku" : "ZO0625206252",

"taxless\_price" : 84.99,

"unit\_discount\_amount" : 0,

"min\_price" : 38.25,

"\_id" : "sold\_product\_579992\_20672",

"discount\_amount" : 0,

"created\_on" : "2016-12-23T00:15:50+00:00",

"product\_name" : "Snowboard jacket - grey",

"price" : 84.99,

"taxful\_price" : 84.99,

"base\_unit\_price" : 84.99

},

{

"base\_price" : 59.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 14952,

"category" : "Men's Shoes",

"sku" : "ZO0392003920",

"taxless\_price" : 59.99,

"unit\_discount\_amount" : 0,

"min\_price" : 31.19,

"\_id" : "sold\_product\_579992\_14952",

"discount\_amount" : 0,

"created\_on" : "2016-12-23T00:15:50+00:00",

"product\_name" : "Smart lace-ups - Peru",

"price" : 59.99,

"taxful\_price" : 59.99,

"base\_unit\_price" : 59.99

}

],

"sku" : [

"ZO0625206252",

"ZO0392003920"

],

"taxful\_total\_price" : 144.98,

"taxless\_total\_price" : 144.98,

"total\_quantity" : 2,

"total\_unique\_products" : 2,

"type" : "order",

"user" : "irwin",

"geoip" : {

"country\_iso\_code" : "CO",

"location" : {

"lon" : -74.1,

"lat" : 4.6

},

"region\_name" : "Bogota D.C.",

"continent\_name" : "South America",

"city\_name" : "Bogotu00e1"

}

}

},

{

"\_index" : "kibana\_sample\_data\_ecommerce",

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"\_id" : "C04RJHABDxj\_cPRgyUBl",

"\_score" : 4.1666117,

"\_source" : {

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"Men's Shoes"

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"currency" : "EUR",

"customer\_first\_name" : "Irwin",

"customer\_full\_name" : "Irwin Henderson",

"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Henderson",

"customer\_phone" : "",

"day\_of\_week" : "Wednesday",

"day\_of\_week\_i" : 2,

"email" : "irwin@henderson-family.zzz",

"manufacturer" : [

"Angeldale",

"Low Tide Media"

],

"order\_date" : "2020-02-05T13:23:31+00:00",

"order\_id" : 568682,

"products" : [

{

"base\_price" : 59.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Angeldale",

"tax\_amount" : 0,

"product\_id" : 21985,

"category" : "Men's Shoes",

"sku" : "ZO0680706807",

"taxless\_price" : 59.99,

"unit\_discount\_amount" : 0,

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"product\_name" : "Smart lace-ups - black",

"price" : 59.99,

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"base\_unit\_price" : 59.99

},

{

"base\_price" : 41.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 15522,

"category" : "Men's Shoes",

"sku" : "ZO0392603926",

"taxless\_price" : 41.99,

"unit\_discount\_amount" : 0,

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"\_id" : "sold\_product\_568682\_15522",

"discount\_amount" : 0,

"created\_on" : "2016-12-14T13:23:31+00:00",

"product\_name" : "Smart lace-ups - cognac",

"price" : 41.99,

"taxful\_price" : 41.99,

"base\_unit\_price" : 41.99

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],

"sku" : [

"ZO0680706807",

"ZO0392603926"

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"user" : "irwin",

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"location" : {

"lon" : -74.1,

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"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Austin",

"customer\_phone" : "",

"day\_of\_week" : "Monday",

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"email" : "irwin@austin-family.zzz",

"manufacturer" : [

"Elitelligence",

"Low Tide Media"

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"quantity" : 1,

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"tax\_amount" : 0,

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"sku" : "ZO0540805408",

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"price" : 59.99,

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"base\_unit\_price" : 59.99

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"quantity" : 1,

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"tax\_amount" : 0,

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"sku" : "ZO0473704737",

"taxless\_price" : 16.99,

"unit\_discount\_amount" : 0,

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"discount\_amount" : 0,

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"product\_name" : "3 PACK - Basic T-shirt - white/black/grey",

"price" : 16.99,

"taxful\_price" : 16.99,

"base\_unit\_price" : 16.99

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"sku" : [

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"ZO0473704737"

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"total\_unique\_products" : 2,

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"user" : "irwin",

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"customer\_full\_name" : "Irwin Munoz",

"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Munoz",

"customer\_phone" : "",

"day\_of\_week" : "Monday",

"day\_of\_week\_i" : 0,

"email" : "irwin@munoz-family.zzz",

"manufacturer" : [

"Oceanavigations",

"Elitelligence"

],

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"tax\_amount" : 0,

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"category" : "Men's Clothing",

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"product\_name" : "Summer jacket - navy",

"price" : 41.99,

"taxful\_price" : 41.99,

"base\_unit\_price" : 41.99

},

{

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"quantity" : 1,

"manufacturer" : "Elitelligence",

"tax\_amount" : 0,

"product\_id" : 14215,

"category" : "Men's Clothing",

"sku" : "ZO0569305693",

"taxless\_price" : 11.99,

"unit\_discount\_amount" : 0,

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"\_id" : "sold\_product\_575268\_14215",

"discount\_amount" : 0,

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"product\_name" : "Print T-shirt - black",

"price" : 11.99,

"taxful\_price" : 11.99,

"base\_unit\_price" : 11.99

}

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"ZO0569305693"

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"Men's Accessories"

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"customer\_id" : 14,

"customer\_last\_name" : "Jimenez",

"customer\_phone" : "",

"day\_of\_week" : "Monday",

"day\_of\_week\_i" : 0,

"email" : "irwin@jimenez-family.zzz",

"manufacturer" : [

"Spritechnologies",

"Low Tide Media"

],

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"quantity" : 1,

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"tax\_amount" : 0,

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"category" : "Men's Clothing",

"sku" : "ZO0624206242",

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"\_id" : "sold\_product\_585067\_19109",

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"price" : 41.99,

"taxful\_price" : 41.99,

"base\_unit\_price" : 41.99

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"quantity" : 1,

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"tax\_amount" : 0,

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"sku" : "ZO0470804708",

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"taxful\_price" : 84.99,

"base\_unit\_price" : 84.99

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"sku" : [

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"ZO0470804708"

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"customer\_full\_name" : "Irwin Chandler",

"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Chandler",

"customer\_phone" : "",

"day\_of\_week" : "Sunday",

"day\_of\_week\_i" : 6,

"email" : "irwin@chandler-family.zzz",

"manufacturer" : [

"Angeldale",

"Elitelligence"

],

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"products" : [

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"quantity" : 1,

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"tax\_amount" : 0,

"product\_id" : 11026,

"category" : "Men's Shoes",

"sku" : "ZO0682306823",

"taxless\_price" : 69.99,

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"\_id" : "sold\_product\_583891\_11026",

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"product\_name" : "Casual lace-ups - Medium Purple",

"price" : 69.99,

"taxful\_price" : 69.99,

"base\_unit\_price" : 69.99

},

{

"base\_price" : 7.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Elitelligence",

"tax\_amount" : 0,

"product\_id" : 21188,

"category" : "Men's Clothing",

"sku" : "ZO0569105691",

"taxless\_price" : 7.99,

"unit\_discount\_amount" : 0,

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"discount\_amount" : 0,

"created\_on" : "2016-12-25T19:46:34+00:00",

"product\_name" : "Basic T-shirt - mottled grey",

"price" : 7.99,

"taxful\_price" : 7.99,

"base\_unit\_price" : 7.99

}

],

"sku" : [

"ZO0682306823",

"ZO0569105691"

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"user" : "irwin",

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"location" : {

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"continent\_name" : "South America",

"city\_name" : "Bogotu00e1"

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"Men's Shoes",

"Men's Clothing"

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"customer\_full\_name" : "Irwin Potter",

"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Potter",

"customer\_phone" : "",

"day\_of\_week" : "Wednesday",

"day\_of\_week\_i" : 2,

"email" : "irwin@potter-family.zzz",

"manufacturer" : [

"Elitelligence",

"Spritechnologies"

],

"order\_date" : "2020-01-29T03:23:02+00:00",

"order\_id" : 558733,

"products" : [

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"tax\_amount" : 0,

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"category" : "Men's Shoes",

"sku" : "ZO0521605216",

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"discount\_amount" : 0,

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"price" : 36.99,

"taxful\_price" : 36.99,

"base\_unit\_price" : 36.99

},

{

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"discount\_percentage" : 0,

"quantity" : 1,

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"tax\_amount" : 0,

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"category" : "Men's Clothing",

"sku" : "ZO0627606276",

"taxless\_price" : 32.99,

"unit\_discount\_amount" : 0,

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"\_id" : "sold\_product\_558733\_4409",

"discount\_amount" : 0,

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"product\_name" : "Tracksuit top - black",

"price" : 32.99,

"taxful\_price" : 32.99,

"base\_unit\_price" : 32.99

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"ZO0627606276"

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}

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"customer\_full\_name" : "Irwin Mcdonald",

"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Mcdonald",

"customer\_phone" : "",

"day\_of\_week" : "Thursday",

"day\_of\_week\_i" : 3,

"email" : "irwin@mcdonald-family.zzz",

"manufacturer" : [

"Elitelligence",

"Microlutions"

],

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"order\_id" : 551689,

"products" : [

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"quantity" : 1,

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"tax\_amount" : 0,

"product\_id" : 21907,

"category" : "Men's Clothing",

"sku" : "ZO0564605646",

"taxless\_price" : 11.99,

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"min\_price" : 5.76,

"\_id" : "sold\_product\_551689\_21907",

"discount\_amount" : 0,

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"product\_name" : "Print T-shirt - black",

"price" : 11.99,

"taxful\_price" : 11.99,

"base\_unit\_price" : 11.99

},

{

"base\_price" : 14.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Microlutions",

"tax\_amount" : 0,

"product\_id" : 21429,

"category" : "Men's Clothing",

"sku" : "ZO0117401174",

"taxless\_price" : 14.99,

"unit\_discount\_amount" : 0,

"min\_price" : 7.35,

"\_id" : "sold\_product\_551689\_21429",

"discount\_amount" : 0,

"created\_on" : "2016-12-01T23:21:07+00:00",

"product\_name" : "REGULAR FIT - Print T-shirt - dark green",

"price" : 14.99,

"taxful\_price" : 14.99,

"base\_unit\_price" : 14.99

}

],

"sku" : [

"ZO0564605646",

"ZO0117401174"

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"location" : {

"lon" : -74.1,

"lat" : 4.6

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"region\_name" : "Bogota D.C.",

"continent\_name" : "South America",

"city\_name" : "Bogotu00e1"

}

}

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"Men's Clothing"

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"customer\_full\_name" : "Irwin Hale",

"customer\_gender" : "MALE",

"customer\_id" : 14,

"customer\_last\_name" : "Hale",

"customer\_phone" : "",

"day\_of\_week" : "Thursday",

"day\_of\_week\_i" : 3,

"email" : "irwin@hale-family.zzz",

"manufacturer" : [

"Low Tide Media",

"Elitelligence"

],

"order\_date" : "2020-02-13T13:06:14+00:00",

"order\_id" : 579381,

"products" : [

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"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Low Tide Media",

"tax\_amount" : 0,

"product\_id" : 15667,

"category" : "Men's Clothing",

"sku" : "ZO0428704287",

"taxless\_price" : 74.99,

"unit\_discount\_amount" : 0,

"min\_price" : 33.75,

"\_id" : "sold\_product\_579381\_15667",

"discount\_amount" : 0,

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"product\_name" : "Summer jacket - dark blue",

"price" : 74.99,

"taxful\_price" : 74.99,

"base\_unit\_price" : 74.99

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{

"base\_price" : 10.99,

"discount\_percentage" : 0,

"quantity" : 1,

"manufacturer" : "Elitelligence",

"tax\_amount" : 0,

"product\_id" : 17436,

"category" : "Men's Clothing",

"sku" : "ZO0556305563",

"taxless\_price" : 10.99,

"unit\_discount\_amount" : 0,

"min\_price" : 5.39,

"\_id" : "sold\_product\_579381\_17436",

"discount\_amount" : 0,

"created\_on" : "2016-12-22T13:06:14+00:00",

"product\_name" : "Print T-shirt - white/orange",

"price" : 10.99,

"taxful\_price" : 10.99,

"base\_unit\_price" : 10.99

}

],

"sku" : [

"ZO0428704287",

"ZO0556305563"

],

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"total\_unique\_products" : 2,

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"user" : "irwin",

"geoip" : {

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"location" : {

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},

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"city\_name" : "Bogotu00e1"

}

}

}

]

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"key" : "CO",

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}

}

18. Quelle est la vente avec le montant le plus élevé ?

GET /kibana\_sample\_data\_ecommerce/\_search

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{

"taxful\_total\_price": {

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}

}

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Reponse :

{

"took" : 100,

"timed\_out" : false,

"\_shards" : {

"total" : 1,

"successful" : 1,

"skipped" : 0,

"failed" : 0

},

"hits" : {

"total" : {

"value" : 4675,

"relation" : "eq"

},

"max\_score" : null,

"hits" : [

{

"\_index" : "kibana\_sample\_data\_ecommerce",

"\_type" : "\_doc",

"\_id" : "IE4RJHABDxj\_cPRg2kRY",

"\_score" : null,

"\_source" : {

"category" : [

"Men's Clothing"

],

"currency" : "EUR",

"customer\_first\_name" : "Wagdi",

"customer\_full\_name" : "Wagdi Shaw",

"customer\_gender" : "MALE",

"customer\_id" : 15,

"customer\_last\_name" : "Shaw",

"customer\_phone" : "",

"day\_of\_week" : "Monday",

"day\_of\_week\_i" : 0,

"email" : "wagdi@shaw-family.zzz",

"manufacturer" : [

"Oceanavigations"

],

"order\_date" : "2020-01-27T06:16:12+00:00",

"order\_id" : 739290,

"products" : [

{

"base\_price" : 1079.98,

"discount\_percentage" : 0,

"quantity" : 2,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 2669,

"category" : "Men's Clothing",

"sku" : "ZO0288302883",

"taxless\_price" : 1079.98,

"unit\_discount\_amount" : 0,

"min\_price" : 259.2,

"\_id" : "sold\_product\_739290\_2669",

"discount\_amount" : 0,

"created\_on" : "2016-12-05T06:16:12+00:00",

"product\_name" : "Leather jacket - black",

"price" : 1079.98,

"taxful\_price" : 1079.98,

"base\_unit\_price" : 539.99

},

{

"base\_price" : 419.98,

"discount\_percentage" : 0,

"quantity" : 2,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 16673,

"category" : "Men's Clothing",

"sku" : "ZO0274002740",

"taxless\_price" : 419.98,

"unit\_discount\_amount" : 0,

"min\_price" : 113.39,

"\_id" : "sold\_product\_739290\_16673",

"discount\_amount" : 0,

"created\_on" : "2016-12-05T06:16:12+00:00",

"product\_name" : "Suit - dark grey",

"price" : 419.98,

"taxful\_price" : 419.98,

"base\_unit\_price" : 209.99

},

{

"base\_price" : 399.98,

"discount\_percentage" : 0,

"quantity" : 2,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 14843,

"category" : "Men's Clothing",

"sku" : "ZO0291502915",

"taxless\_price" : 399.98,

"unit\_discount\_amount" : 0,

"min\_price" : 90,

"\_id" : "sold\_product\_739290\_14843",

"discount\_amount" : 0,

"created\_on" : "2016-12-05T06:16:12+00:00",

"product\_name" : "Classic coat - camel multicolor",

"price" : 399.98,

"taxful\_price" : 399.98,

"base\_unit\_price" : 199.99

},

{

"base\_price" : 349.98,

"discount\_percentage" : 0,

"quantity" : 2,

"manufacturer" : "Oceanavigations",

"tax\_amount" : 0,

"product\_id" : 24351,

"category" : "Men's Clothing",

"sku" : "ZO0288702887",

"taxless\_price" : 349.98,

"unit\_discount\_amount" : 0,

"min\_price" : 82.25,

"\_id" : "sold\_product\_739290\_24351",

"discount\_amount" : 0,

"created\_on" : "2016-12-05T06:16:12+00:00",

"product\_name" : "Down coat - black",

"price" : 349.98,

"taxful\_price" : 349.98,

"base\_unit\_price" : 174.99

}

],

"sku" : [

"ZO0288302883",

"ZO0288702887",

"ZO0274002740",

"ZO0291502915"

],

"taxful\_total\_price" : 2249.92,

"taxless\_total\_price" : 2249.92,

"total\_quantity" : 8,

"total\_unique\_products" : 4,

"type" : "order",

"user" : "wagdi",

"geoip" : {

"country\_iso\_code" : "SA",

"location" : {

"lon" : 45,

"lat" : 25

},

"continent\_name" : "Asia"

}

},

"sort" : [

2250.0

]

}

]

}

}

19. Calculer la distance entre les deux meilleures ventes de l’utilisateur (user) « irwin » ?