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## Query number 1 :5 characters mostly involved in battles as attacker king

```
Number1 X ⊕
1 #region names that had the highest number of win and lost battles
2
3 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
4 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
5
6 select ?characterName (COUNT (?battle) as ?NumberOfAttacks) where {
7     ?character got:attackerKingOf ?battle ;
8         got:name ?characterName.
9     ?battle got:name ?battleName .
10 }
11 GROUP BY ?characterName
12 ORDER BY DESC (?NumberOfAttacks )
13 LIMIT 5|
```

	characterName	NumberOfAttacks
1	"Joffrey Baratheon"	"14"xsd:integer
2	"Tommen Baratheon"	"14"xsd:integer
3	"Robb Stark"	"10"xsd:integer
4	"Balon Greyjoy"	"7"xsd:integer
5	"Euron Greyjoy"	"7"xsd:integer

## Query Number 2: Average number of the army that attacker Houses used to invade

```

Number2 × ⊕
1  PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2
3  select ?houseName (AVG (?army) as ?Average)
4  where {
5    ?house got:attackerHouseIn ?battle ;
6    got:name ?houseName .
7    ?battle got:attackerSize ?army .
8  } GROUP BY ?houseName
9  limit 100
10

```

	houseName	Average
1	"Lannister"	"10900"^^xsd:decimal
2	"Stark"	"5152.375"^^xsd:decimal
3	"Mormont"	"4750"^^xsd:decimal
4	"Baratheon"	"7500"^^xsd:decimal
5	"Karstark"	"4750"^^xsd:decimal
6	"Glover"	"4750"^^xsd:decimal
7	"Free folk"	"100000"^^xsd:decimal
8	"Giants"	"100000"^^xsd:decimal
9	"Thenns"	"100000"^^xsd:decimal
10	"Bracken"	"1500"^^xsd:decimal
11	"Tully"	"4625"^^xsd:decimal
12	"Frey"	"3250"^^xsd:decimal
13	"Greyjoy"	"475.5"^^xsd:decimal

## Query Number 3: Minimum number of the army that won a pitched battle

Number3 × ⊕

```
1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2 select (MIN (?army) as ?Min) where {
3
4     ?battle got:attackerSize ?army ;
5           got:battleType ?type ;
6           got:attackerOutcome "win".
7     FILTER (REGEX (?type , "[Pp]itched.*"))
8 }
9
10
```

Table Raw Response Pivot Table Google Chart

Filter query results

	Min
1	"244" <sup>^^xsd:integer</sup>

## Query Number 4: The biggest invader army that ever lost a battle

Number4 × ⊕ 🔍

```
1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2 # The biggest invader army that ever lost a battle
3
4 select ?battleName (MAX (?army) as ?number) where {
5
6     ?battle got:attackerSize ?army ;
7         got:attackerOutcome "loss" ;
8         got:name ?battleName .
9
10 } GROUP BY (?battleName)
11 ORDER BY DESC(?number)
12 LIMIT 1
```

Table Raw Response Pivot Table Google Chart

Filter query results

Showing results from 1 to 1 of 1.

	battleName	number
1	"Battle of Castle Black"	"100000"^^xsd:integer

## Query Number 5: 20 most popular people who were not involved in any battle (2 methods )

### Method 1 :

```
Number5 X ⊕
1
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
3 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
4 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
5
6 SELECT DISTINCT ?name ?popularity where {
7     ?character got:name ?name ;
8         got:popularity ?popularity .
9     FILTER NOT EXISTS {
10         ?character ?p ?battle .
11         ?battle rdf:type|rdfs:type got:Battle .
12     }
13 }
14 ORDER BY DESC (?popularity)
15 LIMIT 20
```

### Method 2 :

```
Number5 X ⊕
1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2 select distinct ?name ?pop where
3 {
4     ?char got:popularity ?pop;
5     got:name ?name .
6
7
8     MINUS
9     {
10         ?char got:attackerCommander|got:attackerKingOf|got:defenderCommander|got:defenderKingOf ?n ;
11         got:name ?name .
12     }
13 } order by desc(?pop)
14 limit 20
15
```

	name	↕
1	"Jon Snow"	"1.0"^^xsd:float
2	"Margaery Tyrell"	"1.0"^^xsd:float
3	"Petyr Baelish"	"1.0"^^xsd:float
4	"Sansa Stark"	"1.0"^^xsd:float
5	"Theon Greyjoy"	"1.0"^^xsd:float
6	"Tyrion Lannister"	"1.0"^^xsd:float
7	"Tywin Lannister"	"1.0"^^xsd:float
8	"Arya Stark"	"1.0"^^xsd:float
9	"Barristan Selmy"	"1.0"^^xsd:float
10	"Bran Stark"	"1.0"^^xsd:float
11	"Cersei Lannister"	"1.0"^^xsd:float
12	"Daenerys Targaryen"	"1.0"^^xsd:float
13	"Eddard Stark"	"1.0"^^xsd:float

## Query Number 6: Is there any house with "black" in its blazon?

```
Number6 x ⊕  
1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>  
2 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  
3  
4 ASK WHERE{  
5   ?house got:blazon ?blazon .  
6   FILTER EXISTS {  
7     FILTER (REGEX (?blazon , "black"))  
8   }  
9 }  
10
```

YES



## Query Number 7: All the DISTINCT properties of the resources of type "got: Battle"

```
Number7 × ⊕  
1 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>  
2 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>  
3 PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>  
4  
5 SELECT DISTINCT ?prop where {  
6     ?character rdf:type|rdfs:type got:Battle .  
7     ?character ?prop ?o .  
8 }  
9  
10
```

	prop
1	rdf:type
2	got:name
3	got:attackerOutcome
4	got:battleType
5	got:occurredIn
6	got:year
7	got:location
8	got:attackerSize
9	got:defenderSize

## Query Number 8: 5 characters mostly won in battles as attacker king

Number8 × ⊕

```
1 PREFIX rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
2 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
3
4 select ?characterName (COUNT (?battle) as ?Outcome) where {
5     ?character got:attackerKingOf ?battle ;
6         got:name ?characterName.
7     ?battle got:name ?battleName ;
8         got:attackerOutcome "win"
9 }
10
11 GROUP BY (?characterName)
12 ORDER BY DESC (?Outcome )
13 LIMIT 5
14
```

	characterName	Outcome
1	"Joffrey Baratheon"	"13^^xsd:integer"
2	"Tommen Baratheon"	"13^^xsd:integer"
3	"Robb Stark"	"8^^xsd:integer"
4	"Balon Greyjoy"	"7^^xsd:integer"
5	"Euron Greyjoy"	"7^^xsd:integer"

## Query Number 9: region names that had the highest number of win and loss battles

Number9

```
19 SELECT ?regname ( count (?name) as ?cs) ?out WHERE
20 {
21     ?bat got:attackerOutcome "loss";
22     got:name ?name ;
23     got:occurredIn ?reg;
24     got:attackerOutcome ?out.
25     ?reg got:name ?regname .
26 }groupby ?regname ?out
27   orderby desc(?cs)
28 limit 1
29
30 }
31 }
32
33
```

Table

Raw Response

Pivot Table



Google Chart



Filter query results

Showing results from 1 to 2 of 2. Query to

	regname	cs	out
1	"Riverlands"	"15"xsd:integer	"win"
2	"Crownlords"	"2"xsd:integer	"loss"

Query Number 10: all the battles that the attacker lost despite having more soldiers

Number10  

```
1 PREFIX got: <http://www.dei.unipd.it/database2/got0ntology#>
2 select ?name ?atsize ?defsize where {
3   ?battle got:attackerSize ?atsize;
4         got:defenderSize ?defsize;
5         got:attackerOutcome "Loss";
6         got:name ?name .
7
8 } groupby ?name ?atsize ?defsize
9 having ( ?atsize >?defsize)
10
11
```

Table Raw Response Pivot Table Google Chart

Filter query results Showing results from 1 to 3 of 3. Query

	name	atsize	defsize
1	"Battle of the Fords"	"20000"^^xsd:integer	"10000"^^xsd:integer
2	"Battle of Castle Black"	"100000"^^xsd:integer	"1240"^^xsd:integer
3	"Battle of the Blackwater"	"21000"^^xsd:integer	"7250"^^xsd:integer

## Query Number 11: 10 most popular characters who appear in all books and are not Nobel

Number11
✕
⊕

```

1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2 select ?name ?pop where {
3     ?char got:popularity ?pop;
4     got:name ?name ;
5     got:appearedIn got:book1 ,got:book2, got:book3,got:book4 ,got:book5 ;
6     got:isNoble 0 .
7
8 } order by desc(?pop)
9 limit 10
10
11

```

	name	
1	"Samwell Tarly"	"0.969899666"^^xsd:float
2	"Sandor Clegane"	"0.695652174"^^xsd:float
3	"Merrett Frey"	"0.434782609"^^xsd:float
4	"Jeyne Poole"	"0.384615385"^^xsd:float
5	"Luwin"	"0.351170569"^^xsd:float
6	"Podrick Payne"	"0.2909699"^^xsd:float
7	"Shae"	"0.2909699"^^xsd:float
8	"Willas Tyrell"	"0.2909699"^^xsd:float
9	"Edric Storm"	"0.284280936"^^xsd:float
10	"Osha"	"0.25083612"^^xsd:float

## Query Number 12: Married Members of House Targaryen whose spouse is alive and Nobel, with spouse name

Number12 × ⊕



```
1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2 select ?charName ?spName where {
3     ?char got:hasHouse ?house;
4     got:name ?charName ;
5     got:spouseOf ?sp .
6     ?sp got:name ?spName ;
7     got:isNoble 1 ;
8     got:isAlive 1 .
9     ?house got:name "Targaryen".
10 } limit 100
11
```

Table Raw Response Pivot Table Google Chart

Filter query results

	charName	
1	"Aerion Targaryen"	"Valaena Velaryon"
2	"Daenerys Targaryen"	"Maron Martell"

## Query number 13 : 3 most popular novels of House Frey

Number13  

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

```
PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
select ?name ?pop where {
  ?char got:isNoble 1 ;
      got:popularity ?pop;
      got:name ?name ;
      got:hasHouse ?house .
  ?house got:name ?houseName .

  filter(Regex(?houseName, "Frey"))
} order by desc(?pop)
limit 3
```

Table Raw Response Pivot Table Google Chart

Filter query results

	name	
1	"Walder Frey"	"0.89632107"^^xsd:float
2	"Hosteen Frey"	"0.274247492"^^xsd:float
3	"Cleos Frey"	"0.247491639"^^xsd:float

## Query number 14: Nome of the Mothers with 2 or more child

Number14 × ⊕

```
1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2 select ?motherName where {
3     ?char got:motherOf ?child ;
4         got:name ?motherName.
5     ?child got:name ?childName .
6 } groupby ?motherName
7 having ((count (?childName))>=2)
8     orderby ?motherName
9 |
```

Table Raw Response Pivot Table Google Chart

Filter query results	
	motherName
1	"Alyssa Velaryon"
2	"Cersei Lannister"
3	"Daenaera Velaryon"



## Query number 15: all the battles of House Stark

```
Number15 x ⊕
1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2 select ?battleName where {
3     ?house got:defenderHouseIn | got:attackerHouseIn ?battle ;
4                                     got:name ?houseName .
5     ?battle got:name ?battleName .
6     filter(REGEX(?houseName , "Stark")).
7
8 } limit 100
9
```

Table Raw Response Pivot Table Google Chart

Filter query results

	battleName
1	"Sack of Winterfell"
2	"The Red Wedding"
3	"Sack of Torrhen's Square"

## Query number16: name and the house of people with ironborn culture

Number16

1

2

3

4

5

6

7

8

9

10

11

12

13

14

```
PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
select ?name ?houseName where {
  ?char got:culture ?culture ;
      got:name ?name.
  ?ho got:hasHouse ?house .
  ?house got:name ?houseName.
  filter(Regex(?culture , "Ironborn"))
}
order by ?houseName
limit 10
```

Table

Raw Response

Pivot Table

Google Chart

Filter query results

	name	
1	"Jon Myre"	"Alchemists' Guild"
2	"Aladale Wynch"	"Alchemists' Guild"
3	"Alannys Harlaw"	"Alchemists' Guild"

## Query number 17: number of characters involved in each book ordered by count

Number17 × ⊕

```
1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
2 select ?book (count (?Characters) as ?number) where {
3     ?character got:appearedIn ?book ;
4     got:name ?Characters .
5
6 } group by ?book
7 order by ?number
8
9
10
```

Table Raw Response Pivot Table Google Chart

Filter query results

	book	
1	got:book1	"386"^^xsd:integer
2	got:book2	"729"^^xsd:integer
3	got:book5	"769"^^xsd:integer

Query number 18: Name all of the houses in the region where battles occurred

```
Number18 x (+)
v 1 PREFIX got: <http://www.dei.unipd.it/database2/gotOntology#>
v 2 select ?regionName ?houseName where {
3     ?battle got:occurredIn ?region .
4     ?region got:name ?regionName .
5     ?house got:locatedIn ?region ;
6         got:name ?houseName .
7 } GROUP BY (?regionName)(?houseName)
8
```

Table	Raw Response	Pivot Table	Google Chart
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Filter query results

	regionName	
1	"Riverlands"	"Hedde"
2	"Riverlands"	"Vance of Wayfarer's Rest"
3	"Riverlands"	"Vance of Atranta"