

Универзитет „Св. Кирил и Методиј“ - Скопје
Факултет за информатички науки и компјутерско инженерство



Универзитет „Св. Кирил и Методиј“ во Скопје
**ФАКУЛТЕТ ЗА ИНФОРМАТИЧКИ НАУКИ
И КОМПЈУТЕРСКО ИНЖЕНЕРСТВО**

ЕЛАБОРАТ

**SportStat Explorer – Веб базирана апликација наменета за спортски
ентузијасты, аналитичари и обожаватели**

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SportStat Explorer – Веб базирана апликација наменета за спортски ентузијасты, аналитичари и обожаватели

1. Краток опис

SportStat Explorer е иновативна веб-базирана апликација наменета за спортски ентузијасты, аналитичари и обожаватели кои бараат детални знаење и увид за спортистите во различни спортови. Платформата обезбедува сеопфатна и ажурирана база на податоци за статистика на спортисти, биографии и историски информации. Со користење на податоци од извори како Википедија, Википодатоци и други слични множества на податоци, SportStat Explorer обезбедува богати, детални визуелизации и аналитика што ги прикажува кариерите, достигнувањата и личните приказни на спортистите. Без разлика дали сте заинтересирани да ги истражувате трендовите на изведбата, да ја споредувате статистиката на играчите или да ја откриете историјата на спортските легенди, SportStat Explorer е вашето место за ангажирање и интерактивно истражување на спортски податоци.

Користење на SPARQL Query за добивање на различни резултати за спортистите.

Enter SPARQL Query

Enter your SPARQL query here...



Results

| | | | | | | | | | | |
|---------------|-------------------------|------------------------------|---------------------------------------|----------------------------------|-----------------------|------------------|------------|--------------------------------|---|------------|
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Los Angeles Lakers | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Dallas Mavericks | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Philadelphia 76ers | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Golden State Warriors | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Atlanta Hawks | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Houston Rockets | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Cleveland Cavaliers | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Phoenix Suns | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Sacramento Kings | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |
| mvpAwards=N/A | playerLabel=Jim Jackson | positionLabel=shooting guard | countryLabel=United States of America | teamLabel=Portland Trail Blazers | sportLabel=basketball | jerseyNumber=N/A | weight=100 | birthDate=1970-10-14T00:00:00Z | player=http://www.wikidata.org/entity/Q250343 | height=198 |



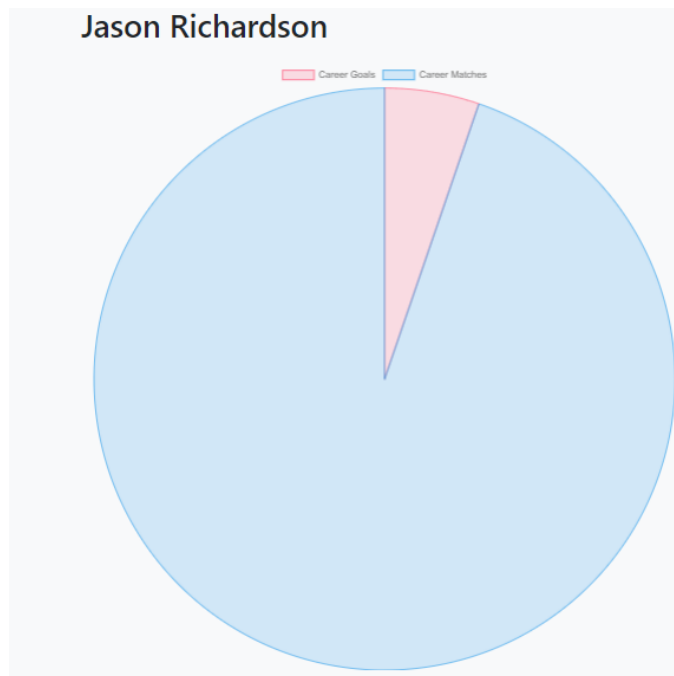
Слика 1. Резултати добиени од Query

Athletes List

[+ Add New Athlete](#)
[Transform to RDF](#)
[Go to Query Form](#)

| ID | Name | Sport | Birth Date | Country | Height | Weight | Team | Position | MVP Awards | Jersey Number | Career Goals | Career Matches | Actions |
|----|------------------|------------|----------------------|--------------------------|--------|--------|--|----------------|------------|---------------|--------------|----------------|--|
| 1 | Jason Richardson | basketball | 1981-01-20T00:00:00Z | United States of America | 198 cm | 225 kg | Philadelphia 76ers | shooting guard | 0 | Unknown | 51 | 241 | Info Edit Add Delete |
| 2 | Jason Richardson | basketball | 1981-01-20T00:00:00Z | United States of America | 198 cm | 225 kg | Golden State Warriors | shooting guard | 0 | Unknown | 10 | 180 | Info Edit Add Delete |
| 3 | Jason Richardson | basketball | 1981-01-20T00:00:00Z | United States of America | 198 cm | 225 kg | Orlando Magic | shooting guard | 0 | Unknown | 48 | 151 | Info Edit Add Delete |
| 4 | Jason Richardson | basketball | 1981-01-20T00:00:00Z | United States of America | 198 cm | 225 kg | Charlotte Hornets | shooting guard | 0 | Unknown | 15 | 291 | Info Edit Add Delete |
| 5 | Jason Richardson | basketball | 1981-01-20T00:00:00Z | United States of America | 198 cm | 225 kg | Phoenix Suns | shooting guard | 0 | Unknown | 53 | 253 | Info Edit Add Delete |
| 6 | Jason Richardson | basketball | 1981-01-20T00:00:00Z | United States of America | 198 cm | 225 kg | Michigan State Spartans men's basketball | shooting guard | 0 | Unknown | 75 | 76 | Info Edit Add Delete |
| 7 | Đorđe Gagić | basketball | 1990-12-28T00:00:00Z | Serbia | 210 cm | 114 kg | New Basket Brindisi | center | 0 | Unknown | 21 | 199 | Info Edit Add Delete |
| 8 | Đorđe Gagić | basketball | 1990-12-28T00:00:00Z | Serbia | 210 cm | 114 kg | BC Lietkabelis | center | 0 | Unknown | 46 | 128 | Info Edit Add Delete |
| 9 | Đorđe Gagić | basketball | 1990-12-28T00:00:00Z | Serbia | 210 cm | 114 kg | CB 1939 Canarias | center | 0 | Unknown | 60 | 169 | Info Edit Add Delete |
| 10 | Đorđe Gagić | basketball | 1990-12-28T00:00:00Z | Serbia | 210 cm | 114 kg | BC Tsmoki-Minsk | center | 0 | Unknown | 26 | 207 | Info Edit Add Delete |
| 11 | Đorđe Gagić | basketball | 1990-12-28T00:00:00Z | Serbia | 210 cm | 114 kg | KK Borac Čačak | center | 0 | Unknown | 42 | 148 | Info Edit Add Delete |
| 12 | Đorđe Gagić | basketball | 1990-12-28T00:00:00Z | Serbia | 210 cm | 114 kg | KK Partizan | center | 0 | Unknown | 21 | 190 | Info Edit Add Delete |
| 13 | Đorđe Gagić | basketball | 1990-12-28T00:00:00Z | Serbia | 210 cm | 114 kg | KK Vršac | center | 0 | Unknown | 73 | 239 | Info Edit Add Delete |

Слика 2. Трансформација на податоци во табела за спортисти



Слика 3. Визуелизација на податоците

Edit Athlete

Name

Jason Richardson

Sport

basketball

Birth Date

1981-01-20T00:00:00Z

Country

United States of America

Height (cm)

198

Weight (kg)

225

Team

Golden State Warriors

Position

shooting guard

Jersey Number

Unknown

MVP Awards

0

Career Goals

10

Career Matches

180

Save Changes

Cancel

Слика 4. Едитирање на податоци за даден спортист

Add New Athlete

Name

Sport

Birth Date

Country

Height (cm)

Weight (kg)

Team

Position

MVP Awards

Jersey Number

Career Goals

Career Matches

Слика 5. Додавање на податоци за даден спортист

Athlete Details

| | | |
|---|--|---------------------------------|
| ID: 4 | Name: Jason Richardson | Sport: basketball |
| Birth Date: 1981-01-20T00:00:00Z | Country: United States of America | Height: 198 |
| Weight: 225 | Team: Charlotte Hornets | Position: shooting guard |
| MVP Awards: 0 | Jersey Number: Unknown | |

Слика 6. Основни податоци за даден спортист

RDF Data

Explore the RDF data generated from the athlete table below.

```
<rdf:RDF
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:j.0="http://example.org/ontology/">
  <rdf:Description rdf:about="http://example.org/athletes/18">
    <j.0:careerMatches>68</j.0:careerMatches>
    <j.0:careerGoals>71</j.0:careerGoals>
    <j.0:name>Đorđe Gagić</j.0:name>
  </rdf:Description>
  <rdf:Description rdf:about="http://example.org/athletes/11">
    <j.0:careerMatches>148</j.0:careerMatches>
    <j.0:careerGoals>42</j.0:careerGoals>
    <j.0:name>Đorđe Gagić</j.0:name>
  </rdf:Description>
  <rdf:Description rdf:about="http://example.org/athletes/21">
    <j.0:careerMatches>249</j.0:careerMatches>
    <j.0:careerGoals>69</j.0:careerGoals>
    <j.0:name>Đorđe Gagić</j.0:name>
  </rdf:Description>
  <rdf:Description rdf:about="http://example.org/athletes/13">
    <j.0:careerMatches>239</j.0:careerMatches>
    <j.0:careerGoals>73</j.0:careerGoals>
    <j.0:name>Đorđe Gagić</j.0:name>
```

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Слика 7. Претварање на податоците од табелата во RDF форма

Апликацијата овозможува прикажување на детални податоци за спортисти, претварање на тие податоци во RDF форма и опција да се искорти во некое истражување или за цел на обложување (кладење).

2. Линкови

<https://github.com/Stefansse/WebBasedProject>

3. Користена литература

[Spring Boot](#)

[Apache Jena](#)