

# Query processing and visualisation using hive

By

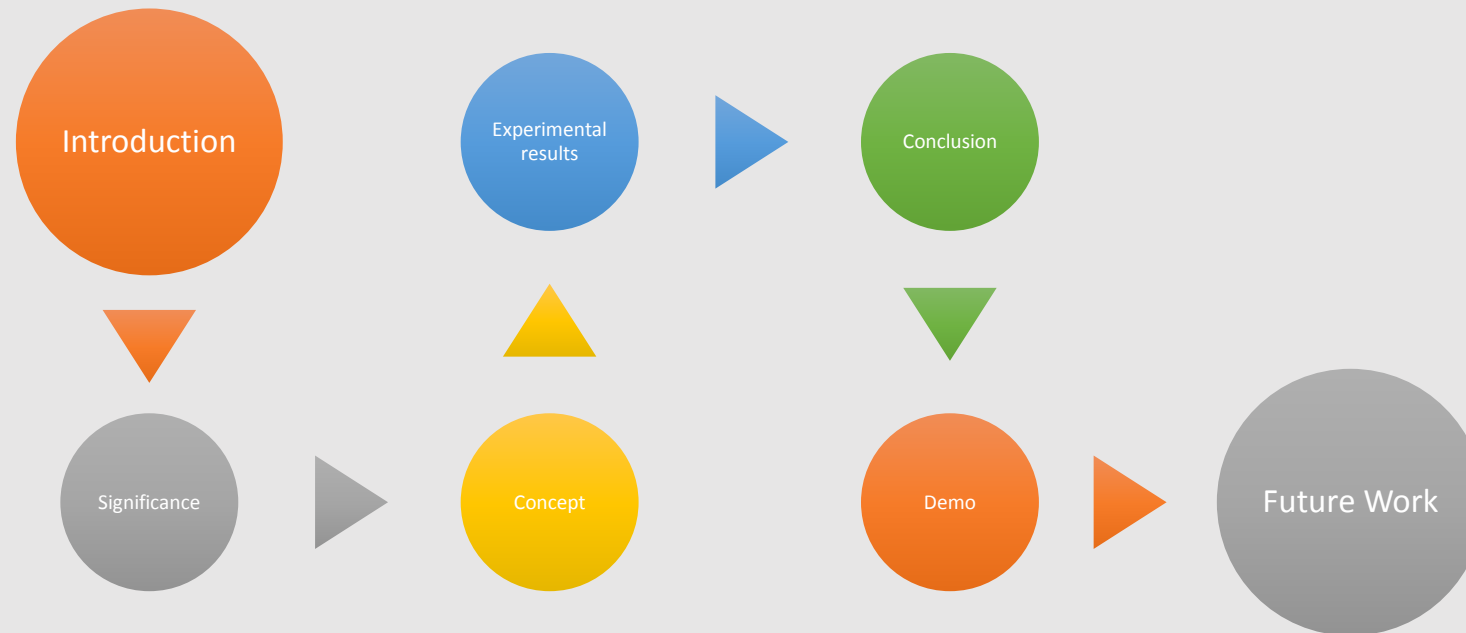
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Shaista Gulnaar

Hemanth Kumar Paluru

Shravan Kumar Radha

# Outline



# Introduction

- Dream of a student/professional
- several jobs posted through various websites
- Naukri is a platform that brings the recruiters or the employers and the job Seekers together
- data set from [www.kaggle.com](http://www.kaggle.com)



# Significance

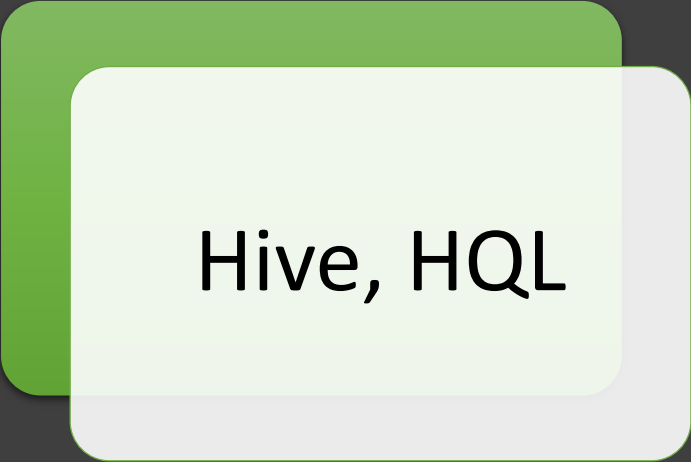


- Not restricted to only naukri
- Third party
- regions with less jobs posted.
- increase their profit by providing some discounts do their clients and ask for reference in the areas where less number of jobs are posted
- High paid jobs
- Regions for which job frequency is high

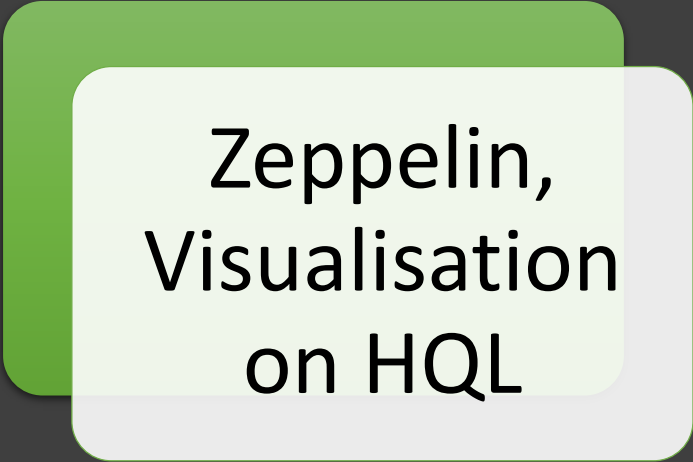
# Concepts



Hadoop,  
HDFS



Hive, HQL



Zeppelin,  
Visualisation  
on HQL

Hadoop - Hadoop Distributed File System and MapReduce processing. It stores intermediary data on Hadoop Distributed File System, which is a disk-based distributed file system

**HDFS Hadoop technologies are disk-based, thus having physical limitations in processing speeds**

Parallel processing(Map reduce)

# Hadoop

# Hadoop

main technologies of Hadoop are HDFS and MapReduce processing

Hadoop - Hadoop Distributed File System and MapReduce processing. It stores intermediary data on Hadoop Distributed File System, which is a disk-based distributed file system

HDFS Hadoop technologies are disk-based, thus having physical limitations in processing speeds

Parallel processing(Map reduce)

Hadoop is suitable for batch processing of bigdata

# Hive

Initially developed  
by Facebook,

data warehouse  
on Apache Hadoop

Using hive is that data to  
be analyzed is stored in  
HDFS which provides all  
features like scalability,  
redundancy etc.,

HQL like SQL,  
automatically translates  
SQL-like queries into  
MapReduce jobs

Hive v0.7.0 added  
integration with Hadoop  
security

Hive abstracts the  
complexity of Hadoop



# Apache Zeppelin

---

Open source Visualization tool  
provided by apache organization

---

Web front end

---

At the backend it connects to  
SQL system(eg.hive)

---

Hive integrated with zeppelin


```
orienit@hadoop:~$ java --version
Unrecognized option: --version
Error: Could not create the Java Virtual Machine.
Error: A fatal exception has occurred. Program will exit.
orienit@hadoop:~$ clear
orienit@hadoop:~$ java -version
java version "1.7.0_95"
OpenJDK Runtime Environment (IcedTea 2.6.4) (7u95-2.6.4-0ubuntu0.14.04.2)
OpenJDK 64-Bit Server VM (build 24.95-b01, mixed mode)
orienit@hadoop:~$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
Starting namenodes on [localhost]
localhost: namenode running as process 18378. Stop it first.
localhost: datanode running as process 18529. Stop it first.
Starting secondary namenodes [0.0.0.0]
0.0.0.0: secondarynamenode running as process 18717. Stop it first.
starting yarn daemons
resourcemanager running as process 18866. Stop it first.
localhost: nodemanager running as process 18993. Stop it first.
orienit@hadoop:~$ jps
18993 NodeManager
18529 DataNode
18717 SecondaryNameNode
18378 NameNode
18866 ResourceManager
24101 Jps
orienit@hadoop:~$ █
```

## Experimental Results

orienit@hadoop:~\$ hive


Logging initialized using configuration in jar:file:/home/orienit/work/apache-hive-1.2.1-bin/lib/hive-common-1.2.1.jar!/hive-log4j.properties

hive> █



orientit@hadoop:~\$ hive

Logging initialized using configuration in jar:file:/home/orientit/work/apache-hive-1.2.1-bin/lib/hive-common-1.2.1.jar!/hive-log4j.properties




hive> show databases

> ;

OK

default



team5

Time taken: 1.257 seconds, Fetched: 2 row(s)

hive> use team5;




OK

Time taken: 0.14 seconds

hive> show tables;




OK



naukri

Time taken: 0.049 seconds, Fetched: 1 row(s)

hive> █



orienit@hadoop:~\$ hive

Logging initialized using configuration in jar:file:/home/orienit/work/apache-hive-1.2.1-bin/lib/hive-common-1.2.1.jar!/hive-log4j.properties

hive> show databases

> ;

OK

default

team5

Time taken: 1.257 seconds, Fetched: 2 row(s)

hive> use team5;

OK

Time taken: 0.14 seconds

hive> show tables;

OK

naukri

Time taken: 0.049 seconds, Fetched: 1 row(s)

hive> describe naukri;

OK

company	string
---------	--------

education	string
-----------	--------

experience	string
------------	--------

industry	string
----------	--------

jobdescription	string
----------------	--------

jobid	string
-------	--------

joblocation_address	string
---------------------	--------

jobtitle	string
----------	--------

numberofpositions	int
-------------------	-----

payrate	string
---------	--------

postdate	string
----------	--------

site_name	string
-----------	--------

skills	string
--------	--------

uniq_id	string
---------	--------

Time taken: 0.415 seconds, Fetched: 14 row(s)

hive> █

## NameNode 'localhost:8020' (active)

Started:	Thu Apr 12 00:35:42 IST 2018
Version:	2.6.0, e3496499ecb8d220fba99dc5ed4c99c8f9e33bb1
Compiled:	2014-11-13T21:10Z by jenkins from (detached from e349649)
Cluster ID:	CID-42725122-d70e-4a51-b2b9-da0f921fbaf8
Block Pool ID:	BP-1146332765-127.0.0.1-1506304561964

[Browse the filesystem](#)  
[NameNode Logs](#)

### Cluster Summary

Security is **OFF**

183 files and directories, 109 blocks = 292 total.

Heap Memory used 31.64 MB is 18% of Committed Heap Memory 168 MB. Max Heap Memory is 889 MB.

Non Heap Memory used 34.97 MB is 97% of Committed Non Heap Memory 35.94 MB. Max Non Heap Memory is 214 MB.

Configured Capacity	:	76.65 GB			
DFS Used	:	182.50 MB			
Non DFS Used	:	23.62 GB			
DFS Remaining	:	52.85 GB			
DFS Used%	:	0.23%			
DFS Remaining%	:	68.95%			
Block Pool Used	:	182.50 MB			
Block Pool Used%	:	0.23%			
DataNodes usages	:	Min %	Median %	Max %	stdev %
		0.23%	0.23%	0.23%	0.00%
<a href="#">Live Nodes</a>	:	1 (Decommissioned: 0)			
<a href="#">Dead Nodes</a>	:	0 (Decommissioned: 0)			
<a href="#">Decommissioning Nodes</a>	:	0			
Number of Under-Replicated Blocks	:	2			

### NameNode Journal Status:

Current transaction ID: 5873

Journal Manager	State
FileJournalManager(root=/home/orienit/work/hadoop2data/dfs/name)	EditLogFileOutputStream(/home/orienit/work/hadoop2data/dfs/name/current/edits_inprogress_000000000000005873)

HD FS:/home/orientit/work/warehouse/naukri1/naukri.txt - Mozilla Firefox

HD FS:/home/orientit/w... x

localhost:50075/browseBlock.jsp?blockId=1073741889&blockSize=20971520&genstamp=1065&filename=%2Fhome%2Forientit%2Fwork%2Fwarehouse%2Fnaukri1%2Fna

Search

Most Visited Getting Started Namenode information Hadoop NameNode l... All Applications

File: /home/orientit/work/warehouse/naukri1/naukri.txt

Goto : /home/orientit/work/warehouse/n go

Go back to dir listing

Advanced view/download options

View Next chunk

company	education	experience	industry	jobdescription	jobid	joblocation	address	jobtitle	numberofpositions	payrate	postdate	site_name	skills	uniq_id
MM Media Pvt Ltd	UG: B.Tech/B.E. - Any Specialization PG:Any Postgraduate	- Any Specialization, Post Graduation Not Required"	0 - 1 yrs	Media / Entertainment / Internet	"Job Description	Send me Jobs like this	Qualifications: - == >	10th To Graduation & Any Skill: - == > Basic Computer Knowledge Job Requirement : - == > System or Laptop Type of job: - == > Full Time or Part time Languages : - == > Tamil & English. Experience : - == > Freshers & Experience payment details: - 1 form per day 5/- 10 form per day 50/- 100 form per day 500/- monthly you can earn 15000/- per month Selection Process: - == > Easy Selection Process,So What Are You Waiting For? Apply Now & Grab Best Opportunity To Make Your Carrier & To Improve Your Earing Skills. More detail contact Mr Hari 8678902528 9003010282 Salary:INR 1,50,000 - 2,25,000 P.A Industry: Media / Entertainment / Internet Functional Area: ITES , BPO , KPO , LPO , Customer Service , Operations Role Category:Other Role:Fresher Keyskills English Typing Part Time Data Entry Selection Process Desired Candidate Profile Education- UG: B.Tech/B.E. - Any Specialization PG:Any Postgraduate - Any Specialization, Post Graduation Not Required Please refer to the Job description above Company Profile: MM Media Pvt Ltd Mass Media International Find Live Info Pvt Ltd DATA SERVICES is established in the year 2012 with a vision of transforming an ordinary to extra ordinary thing. Find live info is one of our main project, it is a developing search engine site based at Chennai, India. With years of experience, we have crafted massive data collection job opportunities for public. FIND LIVE INFO a blend of experience, imagination, strategy and action to create digital experience that excite, challenge, inspire and engage users. FIND LIVE INFO provides other business opportunities which will be handled by experts of various fields. We have interesting combination of young and experienced Specialists Under the guidance of our Top Management we bloom towards success More detail contact 8678902528 Download PPT Photo 1 View Contact Details" 2.10516E+11 Chennai Walkin Data Entry Operator (night Shift) "1,50,000 - 2,25,000 P.A" 2016-05-21 19:30:00 +0000 ITES 43b19632647068535437c774b6ca6cf8 find live infotech UG: B.Tech/B.E. - Any Specialization PG:MBA/PGDM - Any Specialization 0 - 0 yrs Advertising / PR / MR / Event Management "Job Description Send me Jobs like this Qualifications: - == > 10th To Graduation & Any Skill: - == > Basic Computer Knowledge Job Requirement : - == > System or Laptop Type of job: - == > Full Time or Part time Languages : - == > Tamil & English. Experience : - == > Freshers & Experience payment details: - 1 form per day 5/- 10 form per day 50/- 100 form per day 500/- monthly you can earn 15000/- per month Selection Process: - == > Easy Selection Process,So What Are You Waiting For? Apply Now & Grab Best Opportunity To Make Your Carrier & To Improve Your Earing Skills. Chennai Peoples Only Contact Deepika Team Leader 9087728815 / 9087726713 Salary:INR 1,50,000 - 2,50,000 P.A. 20000 Industry: Advertising / PR / MR / Event Management Functional Area: Marketing , Advertising , MR , PR , Media Planning Role Category:Online/Digital Marketing Role:Search Engine Marketing/SEM Specialist Keyskills Data Entry data processing Desired Candidate Profile Education- UG: B.Tech/B.E. - Any Specialization PG:MBA/PGDM - Any Specialization Please refer to the Job description above Company Profile: find live infotech Find Live Infotech is one of our main projects, it is a developing search engine site based at chennai , India. With years of experience , we have crafted massive data collection job oppurtunties for public. Find live infotech provides other business opportunities which will be handled by experts of various fields Download PPT Photo 1 View Contact Details" 2.10516E+11 Chennai Work Based Onhome Based Part Time. 60 "1,50,000 - 2,50,000 P.A. 20000" 2016-05-21 19:30:00 +0000 Marketing d4c72325e57f89f364812b5ed5a795f0 Softtech Career Infosystem Pvt. Ltd UG: Any Graduate - Any Specialization PG:Any Postgraduate Doctorate:Doctorate Not Required 4 - 8 yrs IT-Software / Software Services "Job Description Send me Jobs like this - as a developer in providing application design guidance and consultation, utilizing a thorough understanding of applicable technology, tools and existing designs. - Analyzes highly complex business requirements, designs and writes technical specifications to design or redesign complex computer platforms and applications. - Provides coding direction to less experienced staff or develops highly complex original code. - Acts as an expert technical resource for modeling, simulation and analysis efforts. - Verifies program logic by overseeing the preparation of test data, testing and debugging of programs. - Oversees overall systems testing and the migration of platforms and applications to production. - Develops new documentation, departmental technical procedures and user guides. - Leads projects, allocates and manages resources and manages the work of less experienced staff. - Assures quality, security and compliance requirements are met for supported area and oversees creation of or updates to and testing of the business continuation plan.: 7+ years application development and implementation experience. Additional Job Details: - Looking for PL/SQL developer, who has experience loading data using SQL loader. Salary: Not Disclosed by Recruiter Industry: IT-Software / Software Services Functional Area: IT Software - Application Programming , Maintenance Role Category:Programming & Design Role:Software Developer Keyskills SQL Loader PL SQL Development PLSQL Procedures Application Design Test Data Application Development Desired Candidate Profile Education- UG: Any Graduate - Any Specialization PG:Any Postgraduate Doctorate:Doctorate Not Required Company Profile: Softtech Career Infosystem Pvt. Ltd Leading client of Softtech Career Infosystem Pvt. Ltd Download PPT Photo 1 View Contact						

Download this file

Tail this file

Chunk size to view (in bytes, up to file's DFS block size): 32768 Refresh

Total number of blocks: 3

1073741889: 127.0.0.1:50010 View Block Info

1073741890: 127.0.0.1:50010 View Block Info

1073741891: 127.0.0.1:50010 View Block Info

Go back to DFS home

Local logs

Log directory

orienit@hadoop: ~/work/apache-hive-1.2.1-bin/bin

orienit@hadoop:~\$ cd work/

orienit@hadoop:~/work\$ cd apache-hive-1.2.1-bin/

orienit@hadoop:~/work/apache-hive-1.2.1-bin\$ cd bin/

orienit@hadoop:~/work/apache-hive-1.2.1-bin/bin\$ hiveserver2



```
orientit@hadoop:~$ cd zeppelin-0.7.3-bin-all/  
orientit@hadoop:~/zeppelin-0.7.3-bin-all$ bin/zeppelin-daemon.sh start  
Zeppelin start [ OK ]  
orientit@hadoop:~/zeppelin-0.7.3-bin-all$
```



# Welcome to Zeppelin!

Zeppelin is web-based notebook that enables interactive data analytics.

You can make beautiful data-driven, interactive, collaborative document with SQL, code and even more!

## Notebook

[Import note](#)

[Create new note](#)

- [hive\\_zeppelin](#)
- [Zeppelin Tutorial](#)
- [Trash](#)

## Help

Get started with [Zeppelin documentation](#)

## Community

Please feel free to help us to improve Zeppelin,  
Any contribution are welcome!

- [Mailing list](#)
- [Issues tracking](#)
- [Github](#)



```
%jdbc
select count(*) , skills from naukrisample group by skills;
```

FINISHED

All fields:

\_c0

skills

Keys

Groups

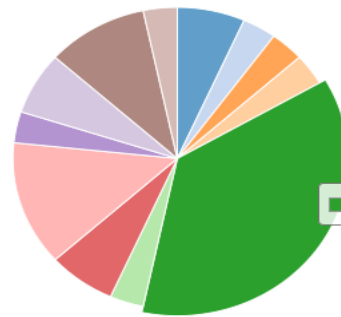
skills

Values

\_c0 SUM

Accounts.Accounts\_c... Engineering Design.E... Executive Assistant... Financial Services.F... IT Software - Applic... IT Software - Mobile... IT Software - Other... ITES.ITES\_c0(sum) Marketing.Market... Production.Productio... Sales.Sales\_c0(sum)

skills.skills\_c0(su...



IT Software - Application Programming.IT Software - Application Programming\_c0(sum) 11.00 (37%)

Took 45 sec. Last updated by anonymous at April 12 2018, 2:28:56 AM. (outdated)

READY

```
%jdbc
select count(*) , skills from naukri1 group by skills;
```

FINISHED

All fields:

\_c0

skills

Keys

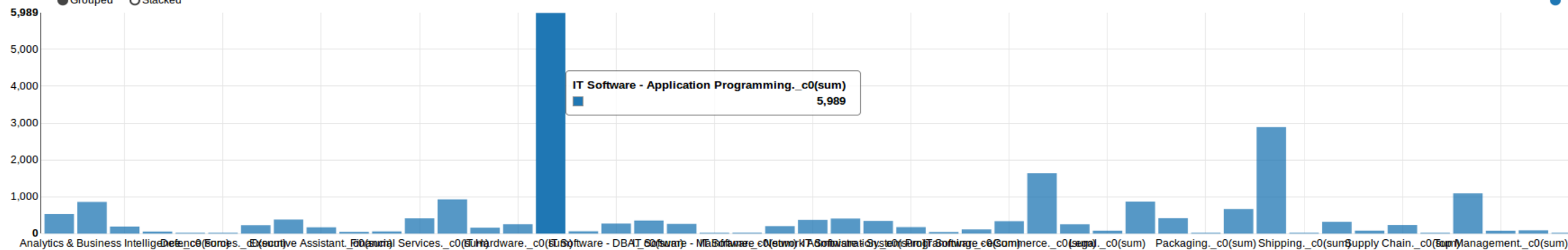
Groups

skills

Values

\_c0 SUM

● Grouped ○ Stacked



Took 51 sec. Last updated by anonymous at April 12 2018, 2:31:12 AM.

READY

Mozilla Firefox

HDFS:/home/orienit/w... http://l...DB3WUURM JobHistory

localhost:9900/#/notebook/2DB3WUURM

Search

Most Visited Getting Started Namenode information Hadoop NameNode l... All Applications

Zeppelin

Notebook Job

Search your Notes

anonymous

hive\_zeppelin

Head

default

%jdbc

select count(\*) , skills from naukrii group by skills;

FINISHED

All fields:

\_c0

skills

Keys

Groups

Values

\_c0(sum)

Accounts.Accounts\_C...

Analytics & Business...

Architecture.Archte...

Beauty/Fitness/Spa S...

Defence Forces.Defen...

Design.Design\_c0(su...

Engineering Design.E...

Executive Assistant...

Export.Export\_c0(su...

Fashion Designing.Fa...

Financial Services.F...

HR.HR\_c0(sum)

Hotels.Hotels\_c0(su...

IT Hardware.IT Hardw...

IT Software - Applic...

IT Software - Client...

IT Software - DBA.IT...

IT Software - ERP.IT...

IT Software - Embedd...

IT Software - Mainfr...

IT Software - Middle...

IT Software - Mobile...

IT Software - Networ...

IT Software - Other....

IT Software - QA & T...

IT Software - System...

IT Software - System...

IT Software - Teleco...

IT Software - eComme...

ITES.ITES\_c0(sum)

Journalism.Journalis...

Legal.Legal\_c0(sum)

Marketing.Marketing....

Medical.Medical\_c0(...

Packaging.Packaging...

Production.Productio...

Sales.Sales\_c0(sum)

Shipping.Shipping\_c...

Site Engineering.Sit...

Strategy.Strategy\_c...

Supply Chain.Supply ...

TV.TV\_c0(sum)

Teaching.Teaching\_c...

Top Management.Top M...

Travel.Travel\_c0(su...

skills.skills\_c0(su...

IT Software - Application Programming.IT Software - Application Programming\_c0(sum) 5,989.00 (27%)

Took 51 sec. Last updated by anonymous at April 12 2018, 2:31:12 AM. (outdated)

READY

```
%jdbc
select count(*) , skills from naukri1 group by skills;
```

FINISHED

All fields: \_c0 skills settings

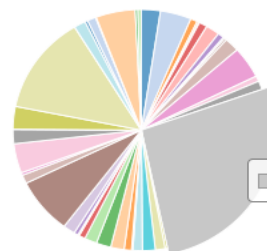
Keys

Groups

Values

Legend:

- .\_c0(sum)
- Accounts.Accounts.\_c...
- Analytics & Business...
- Architecture.Archte...
- Beauty/Fitness/Spa S...
- Defence Forces.Defen...
- Design.Design.\_c0(su...
- Engineering Design.E...
- Executive Assistant...
- Export.Export\_c0(su...
- Fashion Designing.Fa...
- Financial Services.F...
- HR.HR.\_c0(sum)
- Hotels.Hotels.\_c0(su...
- IT Hardware.IT Hardw...
- IT Software - Applic...
- IT Software - Client...
- IT Software - DBA.IT...
- IT Software - ERP.IT...
- IT Software - Embedd...
- IT Software - Mainfr...
- IT Software - Middle...
- IT Software - Mobile...
- IT Software - Networ...
- IT Software - Other....
- IT Software - QA & T...
- IT Software - System...
- IT Software - System...
- IT Software - Teleco...
- IT Software - eComme...
- ITES.ITES\_c0(sum)
- Journalism.Journalis...
- Legal.Legal\_c0(sum)
- Marketing.Marketing...
- Medical.Medical\_c0(...
- Packaging.Packaging...
- Production.Productio...
- Sales.Sales\_c0(sum)
- Shipping.Shipping\_c...
- Site Engineering.Sit...
- Strategy.Strategy\_c...
- Supply Chain.Supply ...
- TV.TV\_c0(sum)
- Teaching.Teaching\_c...
- Top Management.Top M...
- Travel.Travel\_c0(su...
- skills.skills\_c0(su...



Took 51 sec. Last updated by anonymous at April 12 2018, 2:31:12 AM. (outdated)

READY

```
%jdbc
select company,numberofpositions from naukri1 where numberofpositions >1000;
```

FINISHED

All fields:  
company numberofpositions

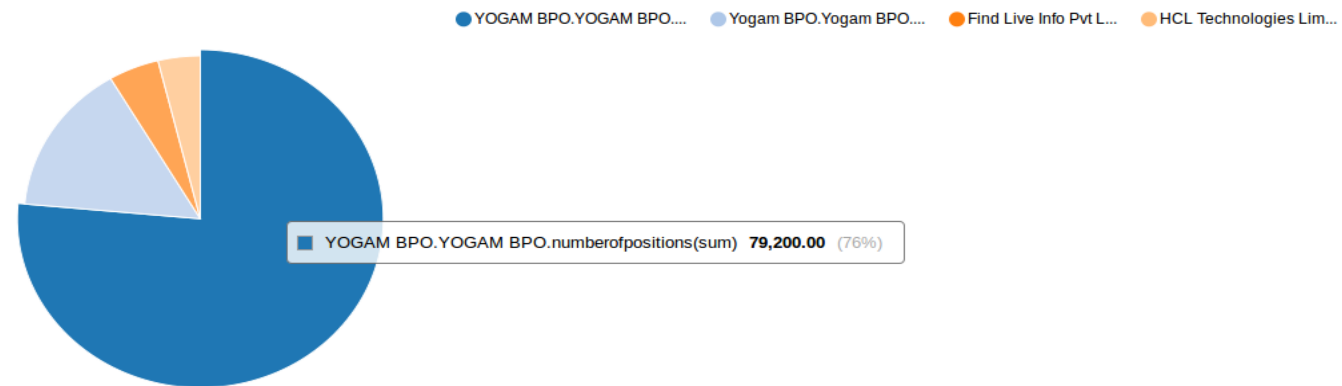
Keys

Groups

company

Values

numberofpositions SUM



Took 1 sec. Last updated by anonymous at April 12 2018, 2:36:19 AM.

READY

```

%jdbc
select company,numberofpositions from naukri1 where numberofpositions >1000;
    
```

FINISHED ▶ ⌵ 📄 ⚙️

📊
📈
📉
📊
📈
📉
👤
⌵
settings ▲

All fields:  
 company    numberofpositions

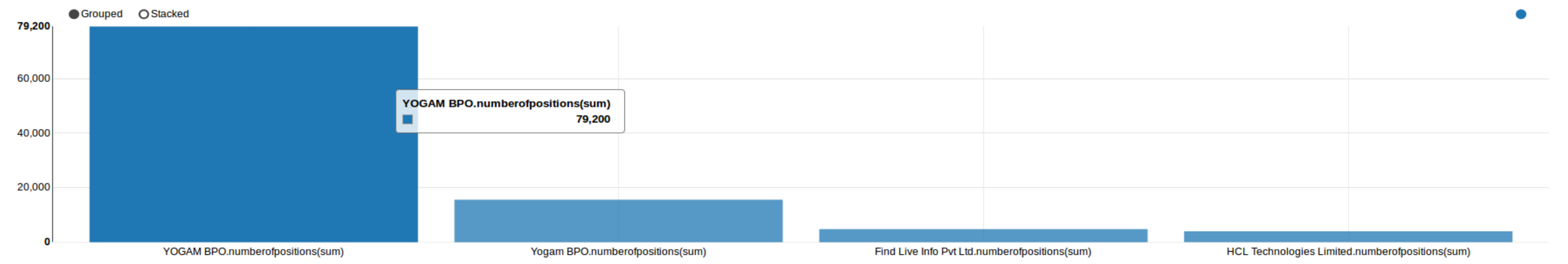
Keys

Groups

company ✕

Values

numberofpositions SUM ✕



Took 1 sec. Last updated by anonymous at April 12 2018, 2:36:19 AM. (outdated)

READY ▶ ⌵ 📄 ⚙️



⚙

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HD FS:/home/orienit/w... \* http://l...DB3WUURM \* JobHistory \* +

⏪ localhost:9900/#/notebook/2DB3WUURM

🔍 Search

☆ 📅 📌 ⬇ 🏠 💬 ☰

📁 Most Visited 🌐 Getting Started 📄 Namenode information 📄 Hadoop NameNode l... 📄 All Applications

 Zeppelin

Notebook ▾ Job

🔍 Search your Notes 🔍 anonymous ▾

hive\_zeppelin

▶ ⌂ 📄 📌 📁 📧

📄 📌 📁 📧 Head ▾ 🗑 🔄

%jdbc  
select distinct industry from naukri1;

FINISHED ▶ ⌂ 📄 📌 📁 📧

📄 📌 📁 📧

👤 ▾

industry

Accounting / Finance

Advertising / PR / MR / Event Management

Agriculture / Dairy

Animation / Gaming

Architecture / Interior Design

Automobile / Auto Anciliary / Auto Components

Aviation / Aerospace Firms

BPO / Call Centre / ITES

Banking / Financial Services / Broking

Brewery / Distillery

Took 48 sec. Last updated by anonymous at April 12 2018, 2:40:27 AM. (outdated)

📄

READY ▶ ⌂ 📄 📌 📁 📧

```
%jdbc
select count(*) , industry from naukri1 group by industry;
```

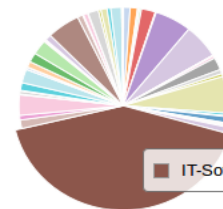
FINISHED

All fields: \_c0 industry settings

Keys

Groups

Values



IT-Software / Software Services.IT-Software / Software Services.\_c0(sum) 9,216.00 (42%)

Took 47 sec. Last updated by anonymous at April 12 2018, 2:43:17 AM. (outdated)

READY

```
%jdbc
select company,joblocation_address,numberofpositions from naukri1 where experience like '%0%' and numberofpositions != 0 and joblocation_address == 'Chennai' limit 50;
```

FINISHED

settings

All fields:

company
joblocation\_address
numberofpositions

Keys

joblocation\_address

Groups

company

Values

numberofpositions SUM

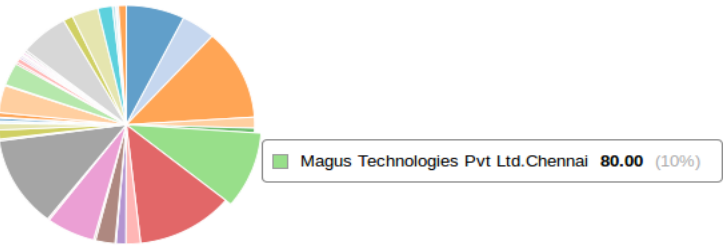
- find live infotech.C...
Infosearch BPO Servi...
Zealous Services.Che...
Future Focus Infotec...
Prosquare software S...
Magus Technologies P...
SmartServe IT Enable...
GRAND PROPERTIES.Che...
CES Ltd..Chennai

Meru Consultants Tec...
BLUE CHIP HR Solutio...
PeopleStrong HR Serv...
Datamatics Global Se...
Va Tech Wabag Ltd.Ch...
BLUE CHIP HR Solutio...
Cameo Corporate Serv...
Wipro BPS (A divisio...
Cucumber Consultants...

Scannhum Hr Solution...
Talent Excellence Ma...
NAC JEWELLERS PRIVAT...
Rian Placements hiri...
SARVAM SAFETY EQUIPM...
prodapt.Chennai
MATRIX MANAGEMENT SE...
Spark Stones Solutio...
Valuepoint Systems P...

VertX Solutions hiri...
Hale.Chennai
Sruthi Total Hr Solu...
SRM Institute of Hot...
Magnum Consultants.C...
"Softgel Health Care...
Johnson Lifts Privat...
Unmetric Technolog...
Apex Services hiring...

ISEO SYSTEMS PVT. LT...
E Helium AdvisorybSe...
PSW Global Solutions...
Medi Assist India Pv...
Synergy Front hiring...
VT Software Research...
Magzter Digital Pvt ...



Took 1 sec. Last updated by anonymous at April 12 2018, 2:53:14 AM. (outdated)


READY

JobHistory - Mozilla Firefox

HDFS:/home/orienit/w... http://l...DB3WUURM JobHistory

localhost:19888/jobhistory

Most Visited Getting Started Namenode information Hadoop NameNode l... All Applications



Application

About

Jobs

Tools

JobHistory

Logged in as: dr.who

Retired Jobs

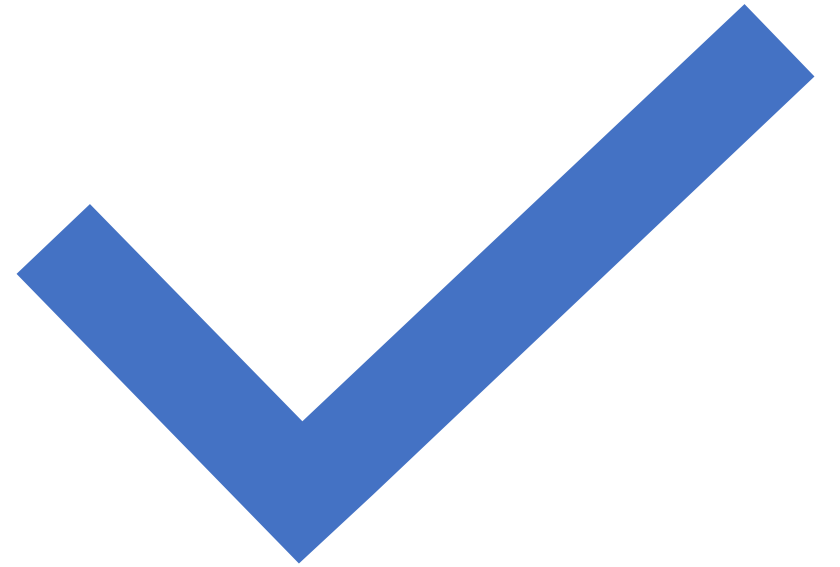
Show 100 entries

Search:

Submit Time	Start Time	Finish Time	Job ID	Name	User	Queue	State	Maps Total	Maps Completed	Reduces Total	Reduces Completed
2018.04.12 02:25:24 IST	2018.04.12 02:25:37 IST	2018.04.12 02:26:08 IST	<a href="#">job_1523473561033_0011</a>	select count(*),joblocation_address fro...10(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 02:23:41 IST	2018.04.12 02:23:56 IST	2018.04.12 02:24:27 IST	<a href="#">job_1523473561033_0010</a>	select count(*),jobloc...joblocation_address(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 02:19:04 IST	2018.04.12 02:19:34 IST	2018.04.12 02:21:01 IST	<a href="#">job_1523473561033_0009</a>	select count(*) from naukri1 w...'%Chennai%'(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 01:05:35 IST	2018.04.12 01:05:47 IST	2018.04.12 01:06:14 IST	<a href="#">job_1523473561033_0008</a>	select count(*) , skills from nauk...skills(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 00:58:40 IST	2018.04.12 00:58:52 IST	2018.04.12 00:59:17 IST	<a href="#">job_1523473561033_0007</a>	select count(*) , skills from nauk...skills(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 00:51:15 IST	2018.04.12 00:51:27 IST	2018.04.12 00:51:54 IST	<a href="#">job_1523473561033_0006</a>	select skills, count(*) from naukri...skills(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 00:50:05 IST	2018.04.12 00:50:17 IST	2018.04.12 00:50:44 IST	<a href="#">job_1523473561033_0005</a>	select skills from naukrisample gro...skills(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 00:48:23 IST	2018.04.12 00:48:34 IST	2018.04.12 00:49:08 IST	<a href="#">job_1523473561033_0004</a>	select count(*) , skills from nauk...skills(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 00:43:50 IST	2018.04.12 00:44:04 IST	2018.04.12 00:44:31 IST	<a href="#">job_1523473561033_0003</a>	select count(*) from naukrisam...'%Chennai%'(Stage	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.12 00:42:02 IST	2018.04.12 00:42:22 IST	2018.04.12 00:42:54 IST	<a href="#">job_1523473561033_0002</a>	select distinct industry from naukrisample(Stage-1	hiveUser	default	SUCCEEDED	1	1	1	1
2018.04.11 03:52:23 IST	2018.04.11 03:52:35 IST	2018.04.11 03:53:24 IST	<a href="#">job_1523386112830_0025</a>	select count(*) , skills from nauk...skills(Stage	orienit	default	SUCCEEDED	1	1	1	1
2018.04.11 03:36:56 IST	2018.04.11 03:37:02 IST	2018.04.11 03:37:19 IST	<a href="#">job_1523386112830_0024</a>	select count(*) , skills from nauk...skills(Stage	orienit	default	SUCCEEDED	1	1	1	1
2018.04.11 03:36:01 IST	2018.04.11 03:36:08 IST	2018.04.11 03:36:29 IST	<a href="#">job_1523386112830_0023</a>	select count(*) , skills from nauk...skills(Stage	orienit	default	SUCCEEDED	1	1	1	1
2018.04.11 03:17:28 IST	2018.04.11 03:17:35 IST	2018.04.11 03:17:51 IST	<a href="#">job_1523386112830_0022</a>	select distinct skills from naukrisample(Stage-1)	orienit	default	SUCCEEDED	1	1	1	1
2018.04.11 03:15:54 IST	2018.04.11 03:16:00 IST	2018.04.11 03:16:16 IST	<a href="#">job_1523386112830_0021</a>	select distinct skills from naukrisample(Stage-1)	orienit	default	SUCCEEDED	1	1	1	1
2018.04.11 03:11:45 IST	2018.04.11 03:11:51 IST	2018.04.11 03:12:07 IST	<a href="#">job_1523386112830_0020</a>	select distinct skills from naukrisample(Stage-1)	orienit	default	SUCCEEDED	1	1	1	1
2018.04.11 03:08:51 IST	2018.04.11 03:08:58 IST	2018.04.11 03:09:26 IST	<a href="#">job_1523386112830_0019</a>	select distinct skills from naukrisample(Stage-1)	orienit	default	SUCCEEDED	1	1	1	1
2018.04.11 02:50:37 IST	2018.04.11 02:50:47 IST	2018.04.11 02:51:20 IST	<a href="#">job_1523386112830_0018</a>	select count(*),skills from naukris...skills(Stage	orienit	default	SUCCEEDED	1	1	1	1
2018.04.11 02:48:55 IST	2018.04.11 02:49:03 IST	2018.04.11 02:49:25 IST	<a href="#">job_1523386112830_0017</a>	select max(skills) from naukrisampl...skills(Stage	orienit	default	SUCCEEDED	1	1	1	1

# Conclusion

- Visualisation
- Most efficient
- Fast results, Hive is faster than hadoop



Demo time

