NATURAL LANGUAGE QUERIES

## 1.INDIVIDUAL SERIES ANALYSIS

1.1  List the events related to field Information systems which took place in the USA.

1.2  What are the events related to field "Artificial Intelligence" with an acceptance rate greater than 0.2 along with their sponsors and start date.

1.3 Which of **Conference series can occur in the month of June.**

1.4  Which of **Conference series** has been **held** in the USA particularly in the month between July and August?

1.5  Find the events related to field worldwide web with the acceptance rate between  0.2 and 0.5 in the last ten decades?

1.6) Find the  number of submitted and accepted papers of the CVPR  Series in the period (1984-2000)

1.7) Which Publisher has published most of the event's proceedings in CS communities?
1.8) Find the **Average Acceptance Rate** for each conference **series in** CS communities?
1.9)  What is the acceptance rate of ISWC in the last decade?

## 2.COUNTRY ANALYSIS

 2.1)  Which **top-10 countries** host most of the events in **CS communities?**
 2.2) Find **top-10 countries** host most of the events in **CS communities in the last decades?**
**2.3 ) field popularity in a specific country**

## 3.FIELD ANALYSIS

3.1 a) Which **field** of CS **Germany** hosted more events in the last decade (2007-2018)?

b) Which **field** of CS **Germany** hosted more events in the last decade (1995-2006)?

3.2  Compare **the popularity of the research communities** in terms of no. of
submission in the last decade

3.3.Find the **top five fields** in terms of the number of events.

3.4  Which of cs communities have the most number of events that have been held in the USA

 3.5  Find the **average acceptance rate** for cs communities.

3.6. a) Find the **Average number of accepted paper of events**  of eight cs fields in last
decade(2009- 2018)

   b) Find the Average number of accepted paper of eight cs fields in last decades
       (1997-2008)

   C) Find the Average number of accepted paper of eight cs fields in last decades
       (1987-1996)

3.7  a) Find the **Average number of submitted papers of events** of eight cs fields in last
decades
        (2009-2018)

   b. Find the Average number of submitted papers of eight cs fields in last decades
       (1997-2008)


 c. Find the Average number of submitted papers of eight cs fields in last decade
    (1987-1996)


3.8   Find the **field productivity** for CS research communities in the year 2008

PREFIX
conference-ontology:<https://w3id.org/scholarlydata/ontology/conference-ontology.owl#>
PREFIX rdfs: <http://www.w3.org/2000/01/rdf-schema#>
PREFIX seo: <http://purl.org/seo/>
PREFIX xsd: <http://www.w3.org/2001/XMLSchema#>
PREFIX eventskg: <http://purl.org/events_ds#>

```
1.1. SELECT DISTINCT ?events  ?country
 WHERE{
   ?events seo:field <http://purl.org/seo#InformationSystems>;
           seo:heldInCountry ?country.
   FILTER(?country = <http://dbpedia.org/resource/United_States>)
 }
```

| events | country |
|--------|---------|
| http://purl.org/events_ds#PODS1982 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1983 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1985 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1986 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1987 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1988 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1989 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1990 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1991 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1992 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1993 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1994 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1995 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1997 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1998 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS1999 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS2000 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS2001 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS2002 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS2003 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS2005 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS2006 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS2009 | http://dbpedia.org/resource/United_States |
| http://purl.org/events_ds#PODS2010 | http://dbpedia.org/resource/United_States |

1.2)SELECT DISTINCT  ?events  ?startDate
 WHERE{
       ?events seo:field <http://purl.org/seo#ArtificialIntelligence>;
           seo:acceptanceRate ?accrate;
           FILTER (?accrate > 0.2)
       ?events conference-ontology:startDate ?startDate.
       FILTER(?startDate >= "2007-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
}

| events | startDate |
|--------|-----------|
| http://purl.org/events_ds#AAAI2011 | 2011-08-07T00:00:00 Z |
| http://purl.org/events_ds#AAAI2012 | 2012-07-22T00:00:00 Z |
| http://purl.org/events_ds#AAAI2013 | 2013-07-14T00:00:00 |

| | |
|---|---|
| | Z |
| http://purl.org/events_ds#AAAI2014 | 2014-07-27T00:00:00Z |
| http://purl.org/events_ds#AAAI2015 | 2015-01-25T00:00:00Z |
| http://purl.org/events_ds#AAAI2016 | 2016-02-12T00:00:00Z |
| http://purl.org/events_ds#AAAI2017 | 2017-02-04T00:00:00Z |
| http://purl.org/events_ds#AAMAS2011 | 2011-05-02T00:00:00Z |
| http://purl.org/events_ds#AAMAS2012 | 2012-06-04T00:00:00Z |
| http://purl.org/events_ds#AAMAS2013 | 2013-05-06T00:00:00Z |
| http://purl.org/events_ds#AAMAS2015 | 2015-05-04T00:00:00Z |
| http://purl.org/events_ds#AAMAS2016 | 2016-05-09T00:00:00Z |
| http://purl.org/events_ds#AAMAS2017 | 2017-05-08T00:00:00Z |
| http://purl.org/events_ds#AAMAS2018 | 2018-07-10T00:00:00Z |
| http://purl.org/events_ds#ACCV2012 | 2012-11-05T00:00:00Z |
| http://purl.org/events_ds#ACCV2014 | 2014-11-01T00:00:00Z |
| http://purl.org/events_ds#ACCV2016 | 2016-11-20T00:00:00Z |
| http://purl.org/events_ds#AISTATS2011 | 2011-04-11T00:00:00Z |

| | |
|---|---|
| http://purl.org/events_ds#AISTATS2012 | 2012-04-21T00:00:00Z |
| http://purl.org/events_ds#AISTATS2013 | 2013-04-29T00:00:00Z |
| http://purl.org/events_ds#AISTATS2014 | 2014-04-22T00:00:00Z |
| http://purl.org/events_ds#AISTATS2015 | 2015-05-09T00:00:00Z |
| http://purl.org/events_ds#AISTATS2016 | 2016-05-09T00:00:00Z |
| http://purl.org/events_ds#AISTATS2017 | 2017-04-20T00:00:00Z |
| http://purl.org/events_ds#CVPR2011 | 2011-06-20T00:00:00Z |
| http://purl.org/events_ds#CVPR2012 | 2012-06-16T00:00:00Z |
| http://purl.org/events_ds#CVPR2013 | 2013-06-23T00:00:00Z |
| http://purl.org/events_ds#CVPR2014 | 2014-06-23T00:00:00Z |
| http://purl.org/events_ds#CVPR2015 | 2015-06-07T00:00:00Z |
| http://purl.org/events_ds#CVPR2016 | 2016-06-27T00:00:00Z |
| http://purl.org/events_ds#CVPR2017 | 2017-07-21T00:00:00Z |
| http://purl.org/events_ds#ECAI2012 | 2012-08-27T00:00:00Z |
| http://purl.org/events_ds#ECAI2014 | 2014-08-18T00:00:00Z |
| http://purl.org/events_ds#ECAI2016 | 2016-08-29T00:00:00 |

| | |
|---|---|
| | Z |
| http://purl.org/events_ds#ECCV2012 | 2012-10-07T00:00:00Z |
| http://purl.org/events_ds#ECCV2014 | 2014-09-06T00:00:00Z |
| http://purl.org/events_ds#ECCV2016 | 2016-10-08T00:00:00Z |
| http://purl.org/events_ds#EUROGP2011 | 2011-04-27T00:00:00Z |
| http://purl.org/events_ds#EUROGP2012 | 2012-04-11T00:00:00Z |
| http://purl.org/events_ds#EUROGP2013 | 2013-04-03T00:00:00Z |
| http://purl.org/events_ds#EuroGP2014 | 2014-04-23T00:00:00Z |
| http://purl.org/events_ds#EuroGP2015 | 2015-04-08T00:00:00Z |
| http://purl.org/events_ds#EuroGP2016 | 2016-03-30T00:00:00Z |
| http://purl.org/events_ds#EuroGP2017 | 2017-04-19T00:00:00Z |
| http://purl.org/events_ds#EuroGP2018 | 2018-04-04T00:00:00Z |
| http://purl.org/events_ds#FOGA2011 | 2011-01-05T00:00:00Z |
| http://purl.org/events_ds#FOGA2015 | 2015-01-17T00:00:00Z |
| http://purl.org/events_ds#FOGA2017 | 2017-01-12T00:00:00Z |
| http://purl.org/events_ds#ICCV2011 | 2011-11-06T00:00:00Z |

| | |
|---|---|
| http://purl.org/events_ds#ICCV2013 | 2013-12-01T00:00:00Z |
| http://purl.org/events_ds#ICCV2015 | 2015-12-07T00:00:00Z |
| http://purl.org/events_ds#ICCV2017 | 2017-10-22T00:00:00Z |
| http://purl.org/events_ds#ICONIP2014 | 2014-11-03T00:00:00Z |
| http://purl.org/events_ds#ICONIP2015 | 2015-11-09T00:00:00Z |
| http://purl.org/events_ds#ICONIP2016 | 2016-10-16T00:00:00Z |
| http://purl.org/events_ds#ICONIP2017 | 2017-10-14T00:00:00Z |
| http://purl.org/events_ds#IJCAI2011 | 2011-07-16T00:00:00Z |
| http://purl.org/events_ds#IJCAI2013 | 2013-08-03T00:00:00Z |
| http://purl.org/events_ds#IJCAI2015 | 2015-07-25T00:00:00Z |
| http://purl.org/events_ds#IJCAI2016 | 2016-07-09T00:00:00Z |
| http://purl.org/events_ds#IJCAI2017 | 2017-08-19T00:00:00Z |
| http://purl.org/events_ds#KR2012 | 2012-06-10T00:00:00Z |
| http://purl.org/events_ds#KR2014 | 2014-07-20T00:00:00Z |
| http://purl.org/events_ds#NIPS2011 | 2011-12-12T00:00:00Z |
| http://purl.org/events_ds#NIPS2012 | 2012-12-03T00:00:00 |

| | Z |
|---|---|
| http://purl.org/events_ds#NIPS2013 | 2013-12-05T00:00:00Z |
| http://purl.org/events_ds#NIPS2014 | 2014-12-08T00:00:00Z |
| http://purl.org/events_ds#NIPS2015 | 2015-12-07T00:00:00Z |
| http://purl.org/events_ds#NIPS2016 | 2016-12-05T00:00:00Z |
| http://purl.org/events_ds#NIPS2017 | 2017-12-04T00:00:00Z |
| http://purl.org/events_ds#UAI2011 | 2011-07-14T00:00:00Z |
| http://purl.org/events_ds#UAI2012 | 2012-08-15T00:00:00Z |
| http://purl.org/events_ds#UAI2013 | 2013-07-12T00:00:00Z |
| http://purl.org/events_ds#UAI2014 | 2014-07-23T00:00:00Z |
| http://purl.org/events_ds#UAI2015 | 2015-07-12T00:00:00Z |
| http://purl.org/events_ds#UAI2016 | 2016-06-25T00:00:00Z |
| http://purl.org/events_ds#UAI2017 | 2017-08-11T00:00:00Z |
| http://purl.org/events_ds#UIST2011 | 2011-10-16T00:00:00Z |
| http://purl.org/events_ds#UIST2012 | 2012-10-07T00:00:00Z |
| http://purl.org/events_ds#UIST2014 | 2014-10-05T00:00:00Z |

| | |
|---|---|
| http://purl.org/events_ds#UIST2015 | 2015-11-08T00:00:00Z |
| http://purl.org/events_ds#UIST2016 | 2016-10-16T00:00:00Z |
| http://purl.org/events_ds#UIST2017 | 2017-10-22T00:00:00Z |

1.3)SELECT ?series (COUNT(?events) AS ?Noofevents)
WHERE{
?events seo:belongsToSeries ?series.
?events conference-ontology:startDate ?startDate.
?events conference-ontology:endDate ?endDate.
FILTER (MONTH(?startDate)=6)
FILTER (MONTH(?endDate) }
GROUP BY ?series
ORDER BY DESC(?Noofevents)

| series | Noofevents |
|---|---|
| eventskg:PLDI | "33"^^xsd:integer |
| eventskg:CVPR | "25"^^xsd:integer |
| eventskg:CCC | "20"^^xsd:integer |
| eventskg:CSF | "20"^^xsd:integer |
| eventskg:ISCA | "19"^^xsd:integer |
| eventskg:SIGMOD | "19"^^xsd:integer |
| eventskg:SPAA | "15"^^xsd:integer |
| eventskg:PODS | "14"^^xsd:integer |
| eventskg:DSN | "13"^^xsd:integer |
| eventskg:STOC | "11"^^xsd:integer |
| eventskg:COLT | "10"^^xsd:integer |
| eventskg:ECOOP | "10"^^xsd:integer |
| eventskg:ICWE | "6"^^xsd:integer |
| eventskg:SIGIR | "5"^^xsd:integer |
| eventskg:ESWC | "4"^^xsd:integer |

*1.4)* SELECT ?series (COUNT(?country) AS ?Hosted)
WHERE{ ?events seo:belongsToSeries ?series.

```
      ?events seo:heldInCountry ?country.
      FILTER(?country = <http://dbpedia.org/resource/United_States>)
      ?events conference-ontology:startDate ?startDate.
      ?events conference-ontology:endDate ?endDate.
      FILTER (MONTH(?startDate)=4)
      FILTER (MONTH(?endDate)=4)
    }
GROUP BY ?series
ORDER BY DESC(?Hosted)
```

| series | Hosted |
| --- | --- |
| eventskg:CHI | "7"^^xsd:integer |
| eventskg:SP | "7"^^xsd:integer |
| eventskg:DCC | "5"^^xsd:integer |
| eventskg:ICDE | "4"^^xsd:integer |
| eventskg:AISTATS | "3"^^xsd:integer |
| eventskg:ASPLOS | "3"^^xsd:integer |
| eventskg:CSCW | "2"^^xsd:integer |
| eventskg:KR | "2"^^xsd:integer |
| eventskg:STOC | "2"^^xsd:integer |
| eventskg:TheWeb | "2"^^xsd:integer |
| eventskg:ICSE | "1"^^xsd:integer |
| eventskg:ISCA | "1"^^xsd:integer |
| eventskg:PODS | "1"^^xsd:integer |
| eventskg:SIGGRAPH | "1"^^xsd:integer |

*1.5)* SELECT ?series (COUNT(?country) AS ?Hosted)
 WHERE{
      ?events seo:belongsToSeries ?series.
       ?events seo:heldInCountry ?country.
      FILTER(?country = <http://dbpedia.org/resource/United_States>)
      ?events conference-ontology:startDate ?startDate.
      ?events conference-ontology:endDate ?endDate.
      FILTER(month(?startDate) >= 7 && month(?startDate) <=8)
      FILTER(month(?endDate) >= 7  && month(?endDate) <=8)  }

GROUP BY ?series
ORDER BY DESC(?Hosted)

| | | |
|---|---|---|
| | eventskg:SIGGRAPH | "40"^^xsd:integer |
| | eventskg:AAAI | "24"^^xsd:integer |
| | eventskg:USENIX | "20"^^xsd:integer |
| | eventskg:UAI | "18"^^xsd:integer |
| | eventskg:COLT | "13"^^xsd:integer |
| | eventskg:PODC | "12"^^xsd:integer |
| | eventskg:SIGIR | "8"^^xsd:integer |
| | eventskg:ICWS | "6"^^xsd:integer |
| | eventskg:ISSAC | "6"^^xsd:integer |
| 0 | eventskg:FOGA | "5"^^xsd:integer |
| 1 | eventskg:IJCAI | "5"^^xsd:integer |
| 2 | eventskg:SPAA | "5"^^xsd:integer |
| 3 | eventskg:CSF | "2"^^xsd:integer |
| 4 | eventskg:ICWE | "2"^^xsd:integer |
| 5 | eventskg:MOBICOM | "2"^^xsd:integer |

*1.6)* SELECT ?events ?accrate
WHERE{
    ?events seo:field <http://purl.org/seo#WorldWideWeb>.
    ?events seo:acceptanceRate ?accrate.
    FILTER(?accrate > 0.2 && ?accrate < 0.5)
    ?events conference-ontology:startDate ?d.
    FILTER (?d > "2007-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
}
ORDER BY ASC(?events)

| Events | Accrate |
|---|---|
| http://purl.org/events_ds#ESWC2010 | 0.212 |
| http://purl.org/events_ds#ESWC2011 | 0.231 |
| http://purl.org/events_ds#ESWC2012 | 0.25 |

| | |
|---|---|
| http://purl.org/events_ds#ESWC2013 | 0.228 |
| http://purl.org/events_ds#ESWC2014 | 0.23 |
| http://purl.org/events_ds#ESWC2015 | 0.228 |
| http://purl.org/events_ds#ESWC2016 | 0.21 |
| http://purl.org/events_ds#ESWC2017 | 0.31 |
| http://purl.org/events_ds#ICSC2009 | 0.3 |
| http://purl.org/events_ds#ICSC2010 | 0.32 |
| http://purl.org/events_ds#ICSC2011 | 0.21 |
| http://purl.org/events_ds#ICSC2012 | 0.329 |
| http://purl.org/events_ds#ICSC2013 | 0.3 |
| http://purl.org/events_ds#ICSC2014 | 0.35 |
| http://purl.org/events_ds#ICSC2015 | 0.28 |
| http://purl.org/events_ds#ICSC2016 | 0.288 |
| http://purl.org/events_ds#ICSC2017 | 0.201 |
| http://purl.org/events_ds#ICSC2018 | 0.21 |
| http://purl.org/events_ds#ICWE2008 | 0.34 |
| http://purl.org/events_ds#ICWE2009 | 0.351 |
| http://purl.org/events_ds#ICWE2010 | 0.217 |
| http://purl.org/events_ds#ICWE2011 | 0.244 |
| http://purl.org/events_ds#ICWE2012 | 0.204 |
| http://purl.org/events_ds#ICWE2013 | 0.228 |
| http://purl.org/events_ds#ICWE2015 | 0.24 |
| http://purl.org/events_ds#ICWE2016 | 0.21 |
| http://purl.org/events_ds#ICWE2018 | 0.31 |
| http://purl.org/events_ds#ISWC2010 | 0.224 |
| http://purl.org/events_ds#ISWC2012 | 0.224 |
| http://purl.org/events_ds#ISWC2013 | 0.214 |
| http://purl.org/events_ds#ISWC2014 | 0.211 |
| http://purl.org/events_ds#ISWC2015 | 0.221 |
| http://purl.org/events_ds#ISWC2017 | 0.206 |
| http://purl.org/events_ds#TheWeb2009 | 0.24 |
| http://purl.org/events_ds#WSDM2011 | 0.22 |

1.7)SELECT ?e ?submittedpaper ?acceptedpaper ?sd
WHERE{
?e seo:belongsToSeries ?series.
FILTER(?series = eventskg:CVPR)

?e seo:submittedPapers ?submittedpaper.
?e seo:acceptedPapers ?acceptedpaper.
?e conference-ontology:startDate ?sd
FILTER(?sd >= "1984-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <=
"2018-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
}

| e | submittedpaper | acceptedpaper | sd |
|---|---|---|---|
| http://purl.org/events_ds#CVPR1988 | 300 | 140 | 1988-06-05T00:00:00Z |
| http://purl.org/events_ds#CVPR1989 | 327 | 95 | 1989-06-04T00:00:00Z |
| http://purl.org/events_ds#CVPR1991 | 491 | 143 | 1991-06-03T00:00:00Z |
| http://purl.org/events_ds#CVPR1992 | 357 | 159 | 1992-06-15T00:00:00Z |
| http://purl.org/events_ds#CVPR1993 | 431 | 186 | 1993-06-15T00:00:00Z |
| http://purl.org/events_ds#CVPR1994 | 472 | 164 | 1994-06-21T00:00:00Z |
| http://purl.org/events_ds#CVPR1996 | 551 | 137 | 1996-06-18T00:00:00Z |
| http://purl.org/events_ds#CVPR1997 | 544 | 173 | 1997-06-17T00:00:00Z |
| http://purl.org/events_ds#CVPR1998 | 453 | 139 | 1998-06-23T00:00:00Z |
| http://purl.org/events_ds#CVPR1999 | 503 | 192 | 1999-06-23T00:00:00Z |
| http://purl.org/events_ds#CVPR2000 | 466 | 220 | 2000-06-13T00:00:00Z |
| http://purl.org/events_ds#CVPR2001 | 920 | 273 | 2001-12-08T00:00:00Z |

| | | | |
|---|---|---|---|
| http://purl.org/events_ds#CVPR2003 | 905 | 209 | 2003-06-16T00:00:00Z |
| http://purl.org/events_ds#CVPR2004 | 873 | 260 | 2004-06-27T00:00:00Z |
| http://purl.org/events_ds#CVPR2005 | 1160 | 324 | 2005-06-20T00:00:00Z |
| http://purl.org/events_ds#CVPR2006 | 1131 | 318 | 2006-06-17T00:00:00Z |
| http://purl.org/events_ds#CVPR2007 | 1250 | 353 | 2007-06-18T00:00:00Z |
| http://purl.org/events_ds#CVPR2008 | 1593 | 508 | 2008-06-24T00:00:00Z |
| http://purl.org/events_ds#CVPR2009 | 1464 | 383 | 2009-06-20T00:00:00Z |
| http://purl.org/events_ds#CVPR2010 | 1724 | 461 | 2010-06-13T00:00:00Z |
| http://purl.org/events_ds#CVPR2011 | 1677 | 438 | 2011-06-20T00:00:00Z |
| http://purl.org/events_ds#CVPR2012 | 1933 | 466 | 2012-06-16T00:00:00Z |
| http://purl.org/events_ds#CVPR2013 | 1798 | 472 | 2013-06-23T00:00:00Z |
| http://purl.org/events_ds#CVPR2014 | 1807 | 540 | 2014-06-23T00:00:00Z |
| http://purl.org/events_ds#CVPR2015 | 2123 | 602 | 2015-06-07T00:00:00Z |
| http://purl.org/events_ds#CVPR2016 | 2145 | 643 | 2016-06-27T00:00:00Z |
| http://purl.org/events_ds#CVPR2017 | 2620 | 783 | 2017-07-21T00:00:00Z |

1.8)select ?publisher (COUNT(?publisher) AS ?published)
where
{
?e seo:hasPublisher ?publisher.
}
GROUP BY ?publisher
ORDER BY DESC(?published)

| publisher | ⇕ | published |
|---|---|---|
| "ACM" | | "917"^^xsd:integer |
| "IEEE" | | "400"^^xsd:integer |
| "Springer" | | "113"^^xsd:integer |
| "AAAI" | | "59"^^xsd:integer |
| "PMLR" | | "52"^^xsd:integer |
| "USENIX" | | "41"^^xsd:integer |
| "IOS" | | "40"^^xsd:integer |
| "NIPS" | | "31"^^xsd:integer |
| "NDSS" | | "25"^^xsd:integer |
| "TheWeb" | | "25"^^xsd:integer |
| "springer" | | "15"^^xsd:integer |

owing 1 to 11 of 11 entries

1.9)SELECT DISTINCT ?series (AVG(?accrate) AS ?result)
WHERE{
?e seo:belongsToSeries ?series.
?e seo:acceptanceRate ?accrate.
}
GROUP BY ?series
ORDER BY DESC(?result)

| series | ⇕ | result |
|---|---|---|
| eventskg:FOGA | | "0.585"^^xsd:decimal |
| eventskg:ICONIP | | "0.528818181818181818181818"^^xsd:decimal |
| eventskg:ISSAC | | "0.455214285714285714285714"^^xsd:decimal |
| eventskg:IJCAR | | "0.41225"^^xsd:decimal |
| eventskg:COLT | | "0.393529411764705882352941"^^xsd:decimal |
| eventskg:AISTATS | | "0.353545454545454545454545"^^xsd:decimal |
| eventskg:EuroGP | | "0.351571428571428571428571"^^xsd:decimal |
| eventskg:SBAC-PAD | | "0.340411764705882352941176"^^xsd:decimal |
| eventskg:CCC | | "0.332461538461538461538461"^^xsd:decimal |
| eventskg:UAI | | "0.331894736842105263157894"^^xsd:decimal |
| eventskg:CVPR | | "0.328827586206896551724137"^^xsd:decimal |
| eventskg:STOC | | "0.321371428571428571428571"^^xsd:decimal |
| eventskg:SPAA | | "0.318181818181818181818181"^^xsd:decimal |
| eventskg:ICFP | | "0.312954545454545454545454"^^xsd:decimal |
| eventskg:ECCV | | "0.305857142857142857142857"^^xsd:decimal |
| eventskg:Infovis | | "0.305727272727272727272727"^^xsd:decimal |
| 17 | eventskg:CSF | "0.301611111111111111111111"^^xsd:decimal |
| 18 | eventskg:PODC | "0.298"^^xsd:decimal |
| 19 | eventskg:PKDD | "0.284809523809523809523809"^^xsd:decimal |
| 20 | eventskg:KR | "0.284285714285714285714285"^^xsd:decimal |
| 21 | eventskg:ICSC | "0.2788"^^xsd:decimal |
| 22 | eventskg:FOCS | "0.2775"^^xsd:decimal |
| 23 | eventskg:ECAI | "0.273769230769230769230769"^^xsd:decimal |
| 24 | eventskg:CSCW | "0.272315789473684210526315"^^xsd:decimal |
| 25 | eventskg:ACCV | "0.269142857142857142857142"^^xsd:decimal |
| 26 | eventskg:ICCV | "0.2621875"^^xsd:decimal |
| 27 | eventskg:VR | "0.2614"^^xsd:decimal |
| 28 | eventskg:AAAI | "0.260888888888888888888888"^^xsd:decimal |
| 29 | eventskg:RecSys | "0.260363636363636363636363"^^xsd:decimal |
| 30 | eventskg:FASE | "0.259"^^xsd:decimal |
| 31 | eventskg:IJCAI | "0.256307692307692307692307"^^xsd:decimal |

| 32 | eventskg:ISMAR | "0.25261538461538461538461615"^^xsd:decimal |
| 33 | eventskg:NIPS | "0.24966666666666666666666666"^^xsd:decimal |
| 34 | eventskg:ACSAC | "0.246833333333333333333333333"^^xsd:decimal |
| 35 | eventskg:DSN | "0.246125"^^xsd:decimal |
| 36 | eventskg:ESWC | "0.2445"^^xsd:decimal |
| 37 | eventskg:EuroCrypt | "0.240692307692307692307692"^^xsd:decimal |
| 38 | eventskg:PODS | "0.236875"^^xsd:decimal |
| 39 | eventskg:ISWC | "0.235529411764705882352941"^^xsd:decimal |
| 40 | eventskg:AAMAS | "0.229882352941176470588235"^^xsd:decimal |
| 41 | eventskg:ESORICS | "0.228"^^xsd:decimal |
| 42 | eventskg:ICWE | "0.22646666666666666666666666"^^xsd:decimal |
| 43 | eventskg:OOPSLA | "0.224588235294117647058823"^^xsd:decimal |
| 44 | eventskg:CCS | "0.224"^^xsd:decimal |
| 45 | eventskg:SP | "0.2218125"^^xsd:decimal |
| 46 | eventskg:ASPLOS | "0.216428571428571428571428"^^xsd:decimal |
| | eventskg:UIST | "0.209111111111111111111111"^^xsd:decimal |
| | eventskg:SIGIR | "0.208631578947368421052631"^^xsd:decimal |
| | eventskg:ECOOP | "0.206434782608695652173913"^^xsd:decimal |
| | eventskg:EDBT | "0.203736842105263157894736"^^xsd:decimal |
| | eventskg:POPL | "0.203421052631578947368421"^^xsd:decimal |
| | eventskg:HPCA | "0.201913043478260869565217"^^xsd:decimal |
| | eventskg:NDSS | "0.2011"^^xsd:decimal |
| | eventskg:ICDE | "0.19956"^^xsd:decimal |
| | eventskg:USENIX | "0.1933"^^xsd:decimal |
| | eventskg:FSE | "0.188476190476190476190476"^^xsd:decimal |
| | eventskg:ICWS | "0.18666666666666666666666666"^^xsd:decimal |
| | eventskg:SIGMOD | "0.185423076923076923076923"^^xsd:decimal |
| | eventskg:PLDI | "0.185236842105263157894736"^^xsd:decimal |
| | eventskg:VLDB | "0.18244"^^xsd:decimal |
| | eventskg:ASE | "0.180333333333333333333333333"^^xsd:decimal |
| | eventskg:ISCA | "0.178736842105263157894736"^^xsd:decimal |

| | | |
|---|---|---|
| 68 | eventskg:OSDI | "0.164272727272727272727272"^^xsd:decimal |
| 69 | eventskg:PERCOM | "0.153933333333333333333333"^^xsd:decimal |
| 70 | eventskg:SIGGRAPH | "0.0023611111111111111111111"^^xsd:decimal |
| 71 | eventskg:CHI | "0.0023142857142857142857144"^^xsd:decimal |
| 72 | eventskg:EuroSys | "0.0022307692307692307692307"^^xsd:decimal |

1.10)SELECT ?accrate ?sd
WHERE{
 ?e seo:belongsToSeries ?series.
  FILTER(?series = eventskg:ISWC)
  ?e seo:acceptanceRate ?accrate.
  ?e conference-ontology:startDate ?sd.
  FILTER(?sd >= "2008-01-01T00:00:00.0000000+00:00"^^xsd:dateTime)
 }

| | accrate | sd |
|---|---|---|
| 1 | "0.165"^^xsd:decimal | "2008-10-26T00:00:00.0000000+00:00"^^xsd:dateTime |
| 2 | "0.221"^^xsd:decimal | "2015-10-11T00:00:00.0000000+00:00"^^xsd:dateTime |
| 3 | "0.214"^^xsd:decimal | "2013-10-21T00:00:00.0000000+00:00"^^xsd:dateTime |
| 4 | "0.206"^^xsd:decimal | "2017-10-21T00:00:00.0000000+00:00"^^xsd:dateTime |
| 5 | "0.172"^^xsd:decimal | "2009-10-25T00:00:00.0000000+00:00"^^xsd:dateTime |
| 6 | "0.189"^^xsd:decimal | "2011-10-23T00:00:00.0000000+00:00"^^xsd:dateTime |
| 7 | "0.211"^^xsd:decimal | "2014-10-19T00:00:00.0000000+00:00"^^xsd:dateTime |
| 8 | "0.224"^^xsd:decimal | "2010-11-07T00:00:00.0000000+00:00"^^xsd:dateTime |
| 9 | "0.224"^^xsd:decimal | "2012-11-11T00:00:00.0000000+00:00"^^xsd:dateTime |
| 10 | "0.184"^^xsd:decimal | "2016-10-17T00:00:00.0000000+00:00"^^xsd:dateTime |

*2.1)* SELECT ?country (count(?country) as ?Hosted)
WHERE{
?s seo:heldInCountry ?country.
?s seo:field ?field.
}
GROUP BY(?country)
ORDER BY DESC(?Hosted)
LIMIT 10

| country | Hosted |
|---------|--------|
| http://dbpedia.org/resource/United_States | 1032 |
| http://dbpedia.org/resource/Canada | 122 |
| http://dbpedia.org/resource/France | 68 |
| http://dbpedia.org/resource/Italy | 65 |
| http://dbpedia.org/resource/Germany | 64 |
| http://dbpedia.org/resource/England | 51 |
| http://dbpedia.org/resource/Spain | 40 |
| http://dbpedia.org/resource/Japan | 34 |
| http://dbpedia.org/resource/China | 33 |
| http://dbpedia.org/resource/Austria | 32 |

2.2)SELECT  ?c (COUNT(?c) AS ?Result)
 WHERE{
 ?e seo:heldInCountry ?c.
 ?e conference-ontology:startDate ?sd.
 FILTER(?sd >= "2008-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <=
 "2018-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
 }
 ORDER BY DESC(?Result)
 LIMIT 10

| c | r |
|---|---|
| http://dbpedia.org/resource/United_States | 340 |
| http://dbpedia.org/resource/Canada | 44 |
| http://dbpedia.org/resource/France | 37 |
| http://dbpedia.org/resource/Italy | 28 |
| http://dbpedia.org/resource/Germany | 25 |
| http://dbpedia.org/resource/Spain | 24 |
| http://dbpedia.org/resource/China | 23 |
| http://dbpedia.org/resource/Greece | 21 |
| http://dbpedia.org/resource/England | 20 |
| http://dbpedia.org/resource/Austria | 17 |

2.3)SELECT ?field ?country (SUM(?sub) AS ?Popularity)
WHERE
{
?e seo:field ?field.
?e seo:submittedPapers ?sub.
?e seo:heldInCountry ?country.
FILTER(?country = <http://dbpedia.org/resource/Germany>)
}
GROUP BY ?field ?country
ORDER BY DESC(?Popularity)

| field | country | Popularity |
|---|---|---|
| <http://purl.org/seo#ArtificialIntelligence> | dbpedia:Germany | "4986"^^xsd:integer |
| <http://purl.org/seo#SoftwareEngineering> | dbpedia:Germany | "2688"^^xsd:integer |
| <http://purl.org/seo#InformationSystems> | dbpedia:Germany | "2452"^^xsd:integer |
| <http://purl.org/seo#SecurityAndPrivacy> | dbpedia:Germany | "1495"^^xsd:integer |
| <http://purl.org/seo#WorldWideWeb> | dbpedia:Germany | "827"^^xsd:integer |
| <http://purl.org/seo#HumanCenteredComputing> | dbpedia:Germany | "607"^^xsd:integer |
| <http://purl.org/seo#ComputerSystemsOrganization> | dbpedia:Germany | "593"^^xsd:integer |
| <http://purl.org/seo#TheoryOfComputations> | dbpedia:Germany | "238"^^xsd:integer |

*3.1 a)* SELECT ?field (count(?country) as ?Hosted)
WHERE{
?s seo:field ?field.
?s seo:heldInCountry ?country.
FILTER(?country = <http://dbpedia.org/resource/Germany>).
?s conference-ontology:startDate ?sd.
FILTER(?sd >= "2007-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <=
"2018-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
        }
GROUP BY ?field
ORDER BY DESC(?Hosted)

| field | Hosted |
|-------|--------|
| http://purl.org/seo#SoftwareEngineering | 7 |
| http://purl.org/seo#HumanCenteredComputing | 4 |
| http://purl.org/seo#SecurityAndPrivacy | 4 |
| http://purl.org/seo#TheoryOfComputations | 3 |
| http://purl.org/seo#ArtificialIntelligence | 3 |
| http://purl.org/seo#WorldWideWeb | 3 |
| http://purl.org/seo#ComputerSystemsOrganization | 2 |
| http://purl.org/seo#InformationSystems | 2 |

*3.1 b)* SELECT ?field (count(?country) as ?Hosted)
WHERE{
?s seo:field ?field.
?s seo:heldInCountry ?country.
FILTER(?country = <http://dbpedia.org/resource/Germany>).
?s conference-ontology:startDate ?sd.
FILTER(?sd >= "1995-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <= "2006-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
        }
GROUP BY ?field
ORDER BY DESC(?Hosted)

| field | Hosted |
|-------|--------|
| http://purl.org/seo#SoftwareEngineering | 5 |
| http://purl.org/seo#InformationSystems | 5 |
| http://purl.org/seo#HumanCenteredComputing | 4 |
| http://purl.org/seo#SecurityAndPrivacy | 3 |
| http://purl.org/seo#ArtificialIntelligence | 3 |
| http://purl.org/seo#TheoryOfComputations | 2 |
| http://purl.org/seo#WorldWideWeb | 2 |
| http://purl.org/seo#ComputerSystemsOrganization | 1 |

*3.2)* SELECT ?field (SUM(?sub) AS ?result)
WHERE{
?e seo:field ?field.
?e conference-ontology:startDate ?d.
FILTER (?d > "2000-01-01T00:00:00.0000000+00:00"^^xsd:dateTime)
?e seo:submittedPapers ?sub.
}

ORDER BY DESC(?result)

| field | result |
|---|---|
| http://purl.org/seo#ArtificialIntelligence | 95911 |
| http://purl.org/seo#SoftwareEngineering | 32969 |
| http://purl.org/seo#WorldWideWeb | 25764 |
| http://purl.org/seo#InformationSystems | 24737 |
| http://purl.org/seo#ComputerSystemsOrganization | 20630 |
| http://purl.org/seo#SecurityAndPrivacy | 13533 |
| http://purl.org/seo#HumanCenteredComputing | 3575 |
| http://purl.org/seo#TheoryOfComputations | 2692 |

3.3)SELECT
 ?field (count(?field) as ?numberofevents)
WHERE{
?s seo:field ?field.
}
GROUP BY(?field)
ORDER BY DESC(?numberofevents)
LIMIT 5

| field | numberofevents |
|---|---|
| http://purl.org/seo#SoftwareEngineering | 417 |
| http://purl.org/seo#ArtificialIntelligence | 361 |
| http://purl.org/seo#SecurityAndPrivacy | 235 |
| http://purl.org/seo#TheoryOfComputations | 212 |
| http://purl.org/seo#InformationSystems | 206 |

*3.4)* SELECT ?field (COUNT(?country) AS ?Hosted)
 WHERE{ ?events seo:field ?field.
        ?events seo:heldInCountry ?country.
        FILTER(?country = <http://dbpedia.org/resource/United_States>)
        ?events conference-ontology:startDate ?startDate.
        ?events conference-ontology:endDate ?endDate.

```
        FILTER (MONTH(?startDate)=8)
        FILTER (MONTH(?endDate)=8)
        }
GROUP BY ?field
ORDER BY DESC(?Hosted)
```

| | field | ⇕ | Hosted |
|---|---|---|---|
| 1 | <http://purl.org/seo#SoftwareEngineering> | | "23"^^xsd:integer |
| 2 | <http://purl.org/seo#HumanCenteredComputing> | | "20"^^xsd:integer |
| 3 | <http://purl.org/seo#ArtificialIntelligence> | | "18"^^xsd:integer |
| 4 | <http://purl.org/seo#TheoryOfComputations> | | "7"^^xsd:integer |
| 5 | <http://purl.org/seo#InformationSystems> | | "5"^^xsd:integer |
| 6 | <http://purl.org/seo#SecurityAndPrivacy> | | "1"^^xsd:integer |
| 7 | <http://purl.org/seo#WorldWideWeb> | | "1"^^xsd:integer |

Showing 1 to 7 of 7 entries

*3.6)* SELECT ?field (AVG(?accrate) AS ?avgaccrate)
```
 WHERE{
        ?events seo:field ?field.
        ?events seo:acceptanceRate ?accrate.
        }
 ORDER BY ASC(?avgaccrate)
```

| field | avgaccrate |
|---|---|
| http://purl.org/seo#TheoryOfComputations | 0.357165137614679 |
| http://purl.org/seo#ArtificialIntelligence | 0.303128630705394 |
| http://purl.org/seo#SecurityAndPrivacy | 0.229423728813559 |
| http://purl.org/seo#InformationSystems | 0.218944827586207 |
| http://purl.org/seo#ComputerSystemsOrganization | 0.217930555555556 |
| http://purl.org/seo#SoftwareEngineering | 0.216 |
| http://purl.org/seo#WorldWideWeb | 0.211598039215686 |
| http://purl.org/seo#HumanCenteredComputing | 0.129006666666667 |

*3.7 a)* SELECT ?field (AVG(?accpaper)  AS ?result)
```
WHERE{
?e seo:field ?field.
?e seo:acceptedpaper ?accpaper.
```

?e conference-ontology:startDate ?sd.
FILTER(?sd >= "2009-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <=
"2018-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
}
ORDER BY DESC(?result)

| field | result |
|---|---|
| http://purl.org/seo#ArtificialIntelligence | 155.625 |
| http://purl.org/seo#HumanCenteredComputing | 145.710526315789474 |
| http://purl.org/seo#InformationSystems | 95.4 |
| http://purl.org/seo#ComputerSystemsOrganization | 57.827586206896552 |
| http://purl.org/seo#TheoryOfComputations | 48.282051282051282 |
| http://purl.org/seo#SoftwareEngineering | 45.240740740740741 |
| http://purl.org/seo#SecurityAndPrivacy | 44.829787234042553 |
| http://purl.org/seo#WorldWideWeb | 43.26315789473842 |

b) SELECT ?field (AVG(?accpaper) AS ?result)
WHERE{
?e seo:field ?field.
?e seo:acceptedpaper ?accpaper.
?e conference-ontology:startDate ?sd.
FILTER(?sd >= "1997-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <=
"2008-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
}
ORDER BY DESC(?result)

| field | result |
|---|---|
| http://purl.org/seo#ArtificialIntelligence | 134.528301886792453 |
| http://purl.org/seo#InformationSystems | 56.619047619047619 |
| http://purl.org/seo#HumanCenteredComputing | 55.5 |
| http://purl.org/seo#ComputerSystemsOrganization | 39.142857142857143 |
| http://purl.org/seo#TheoryOfComputations | 38.060606060606061 |
| http://purl.org/seo#WorldWideWeb | 30.6 |
| http://purl.org/seo#SecurityAndPrivacy | 26.229166666666667 |
| http://purl.org/seo#SoftwareEngineering | 24.681159420289855 |

c) SELECT ?field (AVG(?accpaper) AS ?result)
WHERE{
?e seo:field ?field.
?e seo:acceptedpaper ?accpaper.
?e conference-ontology:startDate ?sd.
FILTER(?sd >= "1987-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <=
"1996-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)

}
ORDER BY DESC(?result)

| field | result |
|---|---|
| http://purl.org/seo#ArtificialIntelligence | 112.75 |
| http://purl.org/seo#HumanCenteredComputing | 45.291666666666667 |
| http://purl.org/seo#ComputerSystemsOrganization | 42 |
| http://purl.org/seo#TheoryOfComputations | 40.875 |
| http://purl.org/seo#InformationSystems | 40.5 |
| http://purl.org/seo#SecurityAndPrivacy | 21.5 |
| http://purl.org/seo#SoftwareEngineering | 21.333333333333333 |

*3.8)* SELECT ?field (AVG(?submissionpaper)  AS ?result)

WHERE{

?e seo:field ?field.

?e seo:submittedpaper ?submissionpaper.

?e conference-ontology:startDate ?sd.

FILTER(?sd >= "2009-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <= "2018-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)

}
ORDER BY DESC(?result)

| field | result |
|---|---|
| http://purl.org/seo#HumanCenteredComputing | 639.026315789473684 |
| http://purl.org/seo#ArtificialIntelligence | 511.233333333333333 |
| http://purl.org/seo#InformationSystems | 432.5 |
| http://purl.org/seo#SecurityAndPrivacy | 238.617021276595745 |
| http://purl.org/seo#ComputerSystemsOrganization | 212.586206896551724 |
| http://purl.org/seo#SoftwareEngineering | 208.111111111111111 |
| http://purl.org/seo#WorldWideWeb | 176.058823529411765 |
| http://purl.org/seo#TheoryOfComputations | 167.454545454545455 |

*b)* SELECT ?field (AVG(?submissionpaper)  AS ?result)

 WHERE{

 ?e seo:field ?field.

 ?e seo:submittedpaper ?submissionpaper.

 ?e conference-ontology:startDate ?sd.

 FILTER(?sd >= "1997-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <= "2008-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)

 }

ORDER BY DESC(?result)

| field | result |
|---|---|
| http://purl.org/seo#ArtificialIntelligence | 377.823529411764706 |
| http://purl.org/seo#InformationSystems | 321.095238095238095 |
| http://purl.org/seo#HumanCenteredComputing | 304.521739130434783 |
| http://purl.org/seo#ComputerSystemsOrganization | 153.952380952380952 |
| http://purl.org/seo#TheoryOfComputations | 146.451612903225806 |
| http://purl.org/seo#WorldWideWeb | 145.2 |
| http://purl.org/seo#SecurityAndPrivacy | 135.543478260869565 |
| http://purl.org/seo#SoftwareEngineering | 131.073529411764706 |

*c.)* SELECT ?field (AVG(?submissionpaper)  AS ?result)
WHERE{
?e seo:field ?field.
?e seo:submittedpaper ?submissionpaper.
?e conference-ontology:startDate ?sd.
FILTER(?sd >= "1987-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?sd <= "1996-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)}
ORDER BY DESC(?result)

| field | result |
|---|---|
| http://purl.org/seo#ArtificialIntelligence | 305 |
| http://purl.org/seo#InformationSystems | 253 |
| http://purl.org/seo#ComputerSystemsOrganization | 200 |
| http://purl.org/seo#HumanCenteredComputing | 194.347826086956522 |
| http://purl.org/seo#TheoryOfComputations | 161.571428571428571 |
| http://purl.org/seo#SoftwareEngineering | 115.333333333333333 |
| http://purl.org/seo#SecurityAndPrivacy | 74 |

3.9)Find the field productivity of research communities in the year 2008

SELECT DISTINCT ?field xsd:float(xsd:float(SUM(?p))/?result)*100 as ?productivity
WHERE
{
?k seo:field ?field.
?k seo:acceptedPapers ?p.
?k conference-ontology:startDate ?d.
FILTER (?d > "2008-01-01T00:00:00.0000000+00:00"^^xsd:dateTime && ?d < "2008-12-31T00:00:00.0000000+00:00"^^xsd:dateTime)
{
SELECT DISTINCT ?f1 (SUM(?h) as ?result) where
{

```
?k seo:acceptedPapers ?h.
?k seo:field ?f1.
}
GROUP BY ?f1
}
FILTER(?f1=?field)
}
```

| field | productivity |
|---|---|
| http://purl.org/seo#TheoryOfComputations | 7.39092 |
| http://purl.org/seo#WorldWideWeb | 5.46019 |
| http://purl.org/seo#ArtificialIntelligence | 3.55824 |
| http://purl.org/seo#ComputerSystemsOrganization | 4.45117 |
| http://purl.org/seo#SoftwareEngineering | 4.50277 |
| http://purl.org/seo#SecurityAndPrivacy | 3.2197 |
| http://purl.org/seo#HumanCenteredComputing | 5.84416 |
| http://purl.org/seo#InformationSystems | 5.20494 |

Visualized charts

1.1)Simple Bubble charts which we can plot events.
1.2)Bubble chart, specifying each event with their start date.
1.3)we can use a table chart or bubble chart since we need to furnish three details together.
1.4)Bar chart, displaying events with variation in bars based on numbers
1.5)Bar chart, displaying events with variation in bars based on numbers.

*1.6)Word Cloud, showing all the events*
*1.7)Multi Line chart*
*1.8)Donut chart*
*1.9)  Bubble chart*
*1.10)Line chart*

*COUNTRY ANALYSIS*
*2.1)Country Bubble chart displaying country with a number of hosting and Geo charts*
*    a-g)Country Bubble chart displaying country with a number of hosting and Geo charts*
*2.2)Country Bubble chart displaying country with a number of hosting and Geo charts*
*2.3)Bubble chart*

*FIELD ANALYSIS*
*3.1)Bubble chart displaying field with hostings and word cloud*
*3.2)column chart*
*3.3)Bubble chart field with a number of events*
*3.4)Bubble chart*
*3.5)Bubble chart event with hosting*
*3.6)Bubble chart event with hosting*
*3.7)Line chart*
*3.8)Line chart*
*3.9) Line chart*


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OBSERVATION:

   1.1)We observe that the events from the field Information System have been held in
       the USA.
   1.2)We observe that  the events from the field AI  with an acceptance rate greater than
       0.2 along with their sponsors and Start Date
   1.3)We observe that the time distributions of the events in the month of June. Namely,
        PLDI has been held 33 times (out of 36) in June.
    1.4)We observe that the series SIGGRAPH has been held more times in the USA in
         the month between July and August.
    1.5)The events from the field world wide web with their acceptance rate between
         0.2 and 05 in the last decades.
    1.6)We observe that the variations of submitted and accepted papers for the
         CVPR conference.
    1.7)We observe that ACM publishes most of the proceedings of CS events and IEEE
         Comes next.

1.8)We analyze the average acceptance rate of each series in CS communities.
1.9)We analyze the acceptance rate of the ISWC series.

COUNTRY ANALYSIS
2.1)We observe that the USA leads by far, having hosted most editions  Canada comes in Second.
2.2)We observe that the USA leads by far, having hosted most editions  Canada comes in Second in the last ten decades.
2.3)Artificial Intelligence has more field popularity among 8 CS communities.

FIELD ANALYSIS
3.1)We observe that the field of Software Engineering has been host more events in Germany in the last decades(2007-2018) and (1995-2016)
3.2) We observe that the field of Artificial Intelligence has **the popularity of the research communities** in terms of no of submissions in the last decade.
3.3)Software Engineering is one of the top fields in terms of the number of events.
3.4)We observe that the field of Software Engineering has been host more events In the month between July and August in the last decade.
3.5)We analyze the average acceptance rate of events in each CS communities.
3.6)We analyze the average number of accepted papers of CS Communities in three different time period
a)2009-2018
b)1997-2008
c)1987-1996
3.7)We analyze the average number of submitted papers of CS Communities in three different time period
a)2009-2018
b)1997-2008
c)1987-1996
3.8)**Theory of computation** is the more productive field among 8 CS communities in **<span style="color:red">2008</span>**