

# Hackaton #bdw14

## Horarios y actividades



<https://github.com/hackbdw14/hackatonData>

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# Horarios

## Viernes 9 de Mayo

17:00 - Presentación del Hackaton

18:00 - Team Building

20:00 - Cervezas

## Sábado 10 de Mayo

11h-20h: Desarrollo del proyecto

## Domingo 11 de Mayo

12-14h: Presentación de los proyectos

# Planteamiento del hackaton

- Aprender
- Combinar datasets y abrirlos
- Proyectos a medio plazo
- Plotteado de proyectos
- Ayuda por áreas:
  - Gerald Kogler (Excel, Github, Datasets)
  - Carlos Durán (Elasticsearch + API BCNBeats)
  - Álex González (Python + Backend)
  - Óscar Marín (Mapas, Open Refine, Datasets)

# Contenido de los datasets

[https://github.com/hackbdw14/hackatonData/tree/master/  
datasets](https://github.com/hackbdw14/hackatonData/tree/master/datasets)

# Contenido de los talleres

[https://github.com/hackbdw14/hackatonData/tree/master/  
talleres](https://github.com/hackbdw14/hackatonData/tree/master/talleres)

# BCNBeats



<http://www.bcnbeats.com/>

# BCNBeats

- 8 Millones de objetos indexados
- Instagram, Twitter, Bicing, Traffic, Foursquare
- Desde Febrero 2014

<http://www.bcnbeats.com/>

# API BCNBeats

- Recubrimiento de índice elasticsearch (<http://www.elasticsearch.org/>)
- Cuatro docTypes: 'instagram', 'twitter', 'foursquare', 'traffic', 'bicing'

<http://api.bcnbeats.com/>



# API BCNBeats: Bicing

```
{
  "_index": "bcn-beats",
  "_type": "bicing",
  "_id": "52e37b871d814731c84a7382",
  "_score": 1,
  "_source": {
    "geometry": {
      "type": "Point",
      "coordinates": [
        "2.142613000000000000",
        "41.391740000000000000"
      ]
    }
  },
  "properties": {
    "timestamp": "2014-01-25T08:53:27",
    "type": "bicing",
    "id": "52e37b871d814731c84a7382",
    "data": {
      "slots": {
        "available": 7,
        "free": 25,
        "occupation": 0.78125
      },
      "station": {
        "id": "366",
        "name": "366 - C/ LORETO, 49"
      }
    }
  }
}
```

# API BCNBeats:Traffic

```
"_index": "bcn-beats",
"_type": "traffic",
"_id": "52e23c891d814731c7e5947a",
"_score": 1,
"_source": {
  "geometry": {
    "type": "Polygon",
    "coordinates": [
      [
        2.149270709978044,
        41.42036835341358
      ],
      [
        2.151650361724757,
        41.42014836350856
      ],
      [
        2.151992572591222,
        41.42031410036474
      ],
      [
        2.152639634132649,
        41.42099202695863
      ],
      [
        2.153144857887541,
        41.42111617263256
      ],
      [
        2.149270709978044,
        41.42036835341358
      ]
    ]
  },
  "properties": {
    "timestamp": "2014-01-24T10:12:25",
    "type": "traffic",
    "id": "52e23c891d814731c7e5947a",
    "data": {
      "now": 0,
      "street": {
        "id": 456,
        "name": "Santuari (P. Mare de Déu del Coll a Gran Vista)"
      },
      "next": 0
    }
  }
}
```

```
"properties": {
  "timestamp": "2014-01-24T10:12:25",
  "type": "traffic",
  "id": "52e23c891d814731c7e5947a",
  "data": {
    "now": 0,
    "street": {
      "id": 456,
      "name": "Santuari (P. Mare de Déu del Coll a Gran Vista)"
    },
    "next": 0
  }
}
```

# API BCNBeats - FQ

```
{
  "_index": "bcn-beats",
  "_type": "foursquare",
  "_id": "52f297081d814731c62aa39f",
  "_score": 1,
  "_source": {
    "geometry": {
      "type": "Point",
      "coordinates": [
        2.198209762573242,
        41.44063528734585
      ]
    },
    "properties": {
      "data": {
        "venueType": "Mall",
        "checkins": 6,
        "name": "C.C. La Maquinista"
      },
      "type": "foursquare",
      "id": "52f297081d814731c62aa39f",
      "timestamp": "2014-02-05T19:54:34"
    }
  }
},
```

# API BCNBeats - Twitter

```
    "_score": 1,
    "_source": {
      "geometry": {
        "type": "Point",
        "coordinates": [
          2.17477512,
          41.4473108
        ]
      },
      "properties": {
        "data": {
          "contributors": null,
          "truncated": false,
          "text": "&lt; que ahora resulta que instagram se valora depende de los likes que  
engas. Todos vais a por mazo de likes y &gt;",
          "in_reply_to_status_id": null,
          "id": 461250270060900350,
          "favorite_count": 0,
          "source": "<a href=\"http://twitter.com/download/iphone\" rel=\"nofollow\">Twitter  
or iPhone</a>",
          "retweeted": false,
          "coordinates": {
            "type": "Point",
            "coordinates": [
              2.17477512,
              41.4473108
            ]
          }
        }
      }
    }
  },
}
```

# API BCNBeats-Instagram

```
"_score": 1,  
"_source": {  
  "geometry": {  
    "type": "Point",  
    "coordinates": [  
      2.154624234,  
      41.378596866  
    ]  
  },  
  "properties": {  
    "data": {  
      "likes": {  
        "count": 0,  
        "data": []  
      },  
      "attribution": null,  
      "tags": [  
        "nowplaying"  
      ],  
      "comments": {  
        "count": 0,  
        "data": []  
      },  
      "filter": "Normal",  
      "created_time": "1397544112",  
      "link": "http://instagaram.com/p/mz0F2WMcxN/"
```

# API BCNBeats

## Ejemplo foursquare

# Algunas ideas (inspiración)

<http://www.atnight.ws/>

<http://assets.outliers.es/SocialGood/>

<http://innovabbva.outliers.es/>

<http://citydashboard.org/london/>

<http://www.oecdbetterlifeindex.org/>

<http://www.theguardian.com/technology/pda/2011/jul/13/flickr-twitter-maps>

# Sitios de trabajo

<http://bdwl4.hackdash.org/>

<http://titanpad.com/hackbdwl4>

<https://github.com/hackbdwl4>