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# Vector Commands

## Add

Add a Feature to a Layer.

Short Name	Long Name	Description
-v	--value	A value 'field=value'
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector add -i target/locations.shp -v id=1 -v name=Seattle -v "the_geom=POINT (-122.334758 47.578364)"
```

the_geom	name	id
POINT (-122.334758 47.578364)	Seattle	1



## Add Fields

Add one or more Fields to a Layer

Short Name	Long Name	Description
-f	--field	A Field in the format 'name=type'
-o	--output-workspace	The output workspace

Short Name	Long Name	Description
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector addfields -i target/locations.shp -o target/locations_idname.shp -f id=int
-f name=string
```

### Schema

Name	Type
the_geom	Point
name	String
id	Integer

## Add Area Field

Add an area Field.

Short Name	Long Name	Description
-f	--area-fieldname	The name for the area Field
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector addareafield -i src/test/resources/states.shp -o target/states_area.shp
```

### Schema

Name	Type
the_geom	MultiPolygon
STATE_NAME	String
SUB_REGION	String

Name	Type
STATE_ABBR	String
AREA	Double

### Values

STATE_NAME	SUB_REGION	STATE_ABBR	AREA
Illinois	E N Cen	IL	15.396467068063995
District of Columbia	S Atl	DC	0.017769720828999
Delaware	S Atl	DE	0.553317799081003
West Virginia	S Atl	WV	6.493194953114009
Maryland	S Atl	MD	2.625116892757991

## Add Length Field

Add an Length Field.

Short Name	Long Name	Description
-f	--length-fieldname	The name for the length Field
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector addlengthfield -i src/test/resources/data.gpkg -l rivers -o
target/rivers_length.shp -f length
```

### Schema

Name	Type
the_geom	MultiLineString
name	String
label	String
length	Double

### Values

name	label	length
Brahmaputra	Brahmaputra	25.21241966609205
Mekong	Mekong	34.97738061177052
Ob	Ob	48.39570358268261
Peace	Peace	44.84258394589285
Donau	Donau	26.67902946932429

## Add XY Fields

Add XY Fields.

Short Name	Long Name	Description
-x	--x-fieldname	The name for the X Field
-y	--y-fieldname	The name for the Y Field
-a	--algorithm	The XY generation algorithm (centroid or interiorpoint)
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector addxyfields -i src/test/resources/data.gpkg -l places -o
target/places_xy.shp -x x_coord -y y_coord -a centroid
```

### Schema

Name	Type
the_geom	Point
NAME	String
x_coord	Double
y_coord	Double

### Values

NAME	x_coord	y_coord
Vatican City	12.4533865	41.9032822

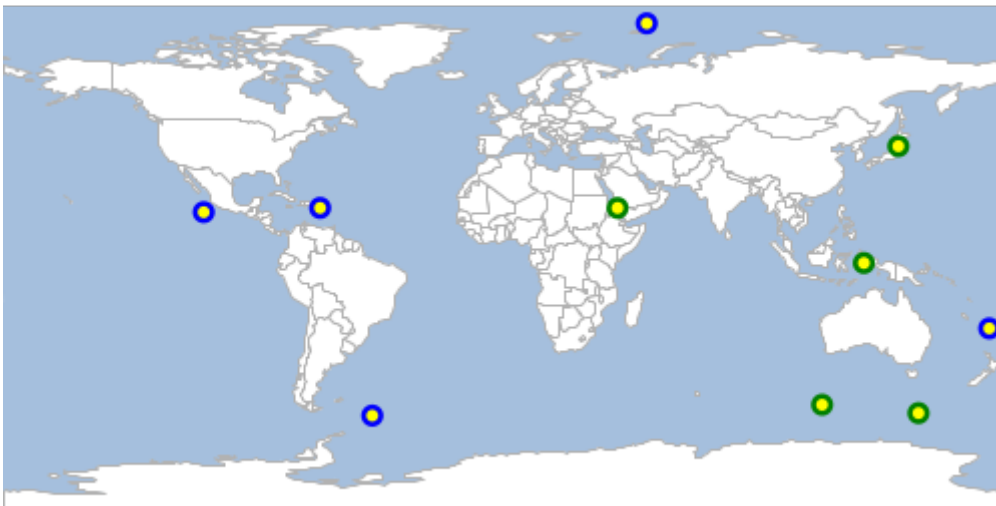
NAME	x_coord	y_coord
San Marino	12.4417702	43.9360958
Vaduz	9.5166695	47.1337238
Lobamba	31.1999971	-26.4666675
Luxembourg	6.1300028	49.6116604

## Append

Add a Features from one layer to another Layer.

Short Name	Long Name	Description
-k	--other-workspace	The other workspace
-y	--other-layer	The other layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector append -i target/points1.shp -k target/points2.shp
```



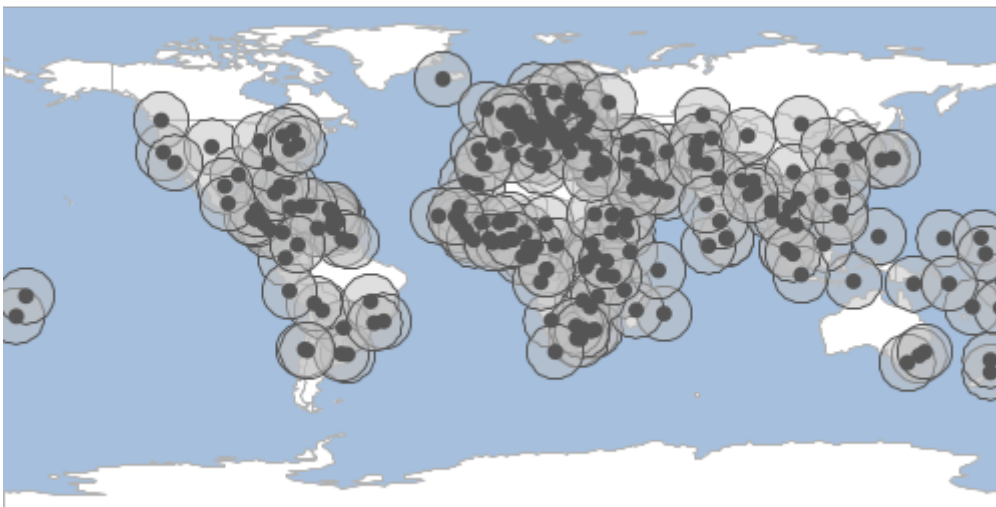
## Buffer

Buffer all of the features in a Layer.

Short Name	Long Name	Description
-d	--distance	The buffer distance

Short Name	Long Name	Description
-q	--quadrantsegments	The number of quadrant segments
-s	--singlesided	Whether buffer should be single sided or not
-c	--capstyle	The cap style
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector buffer -i src/test/resources/data.gpkg -l places -o
target/places_buffer.shp -d 10
```



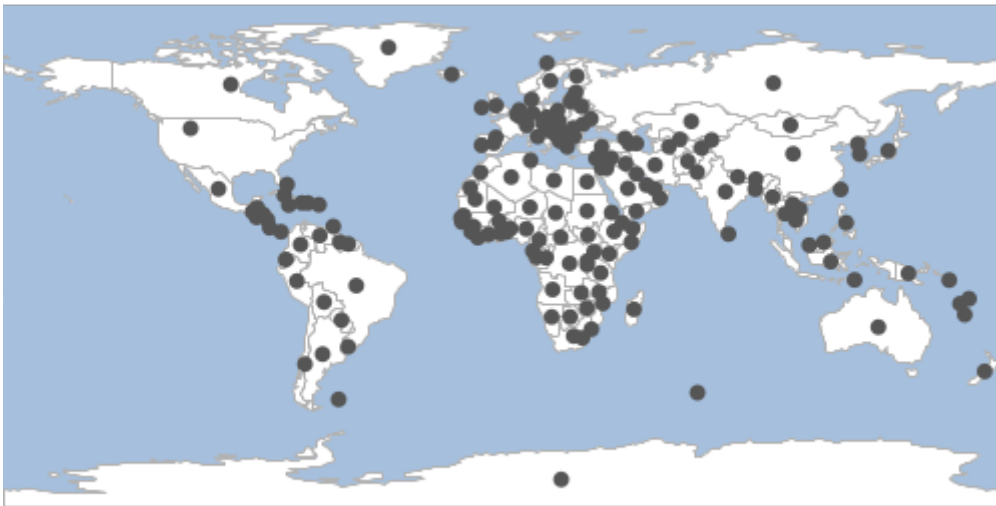
## Centroid

Calculate the centroid of all the features in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector centroid -i src/test/resources/data.gpkg -l countries -o
target/countries_centroids.shp
```



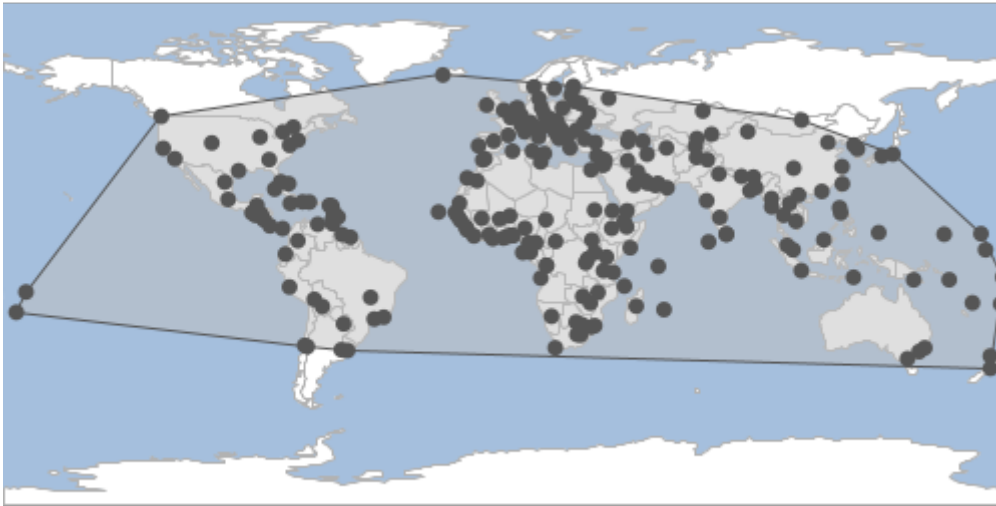
## Convexhull

Calculate the convexhull of all the features in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector convexhull -i src/test/resources/data.gpkg -l places -o
target/convexhull.shp
```



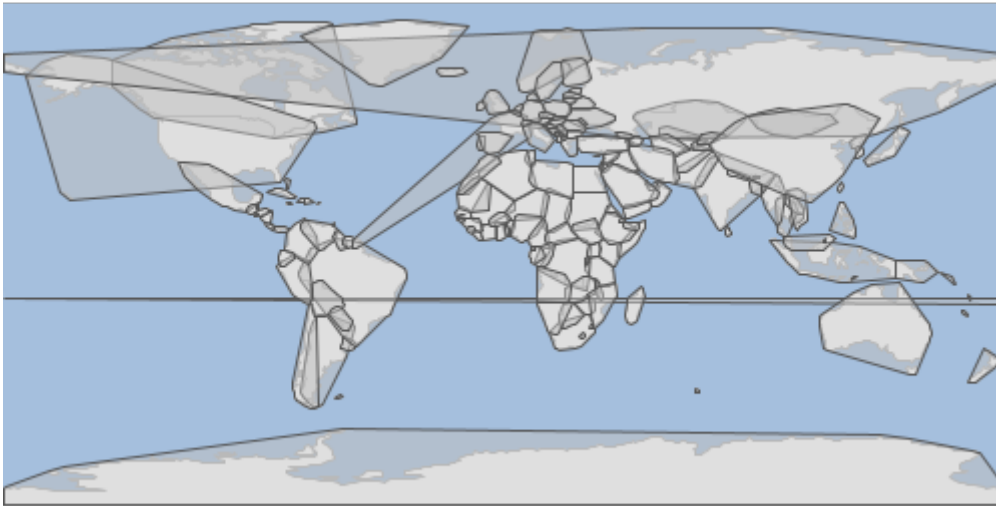


## Convexhulls

Calculate the convexhulls for each feature in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector convexhulls -i src/test/resources/data.gpkg -l countries -o
target/convexhulls.shp
```



## Count

Count the Features in a Layer.

Short Name	Long Name	Description
-t	--type	Count features, geometries, or points
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector count -i src/test/resources/data.gpkg -l places
```

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## Create

Create a new Layer.

Short Name	Long Name	Description
-f	--field	A Field in the format 'name=type'
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
	--help	Print the help message

Short Name	Long Name	Description
	--web-help	Open help in a browser

```
geoc vector create -o target/locations.shp -f "the_geom=POINT EPSG:4326" -f id=integer
-f name=string
```

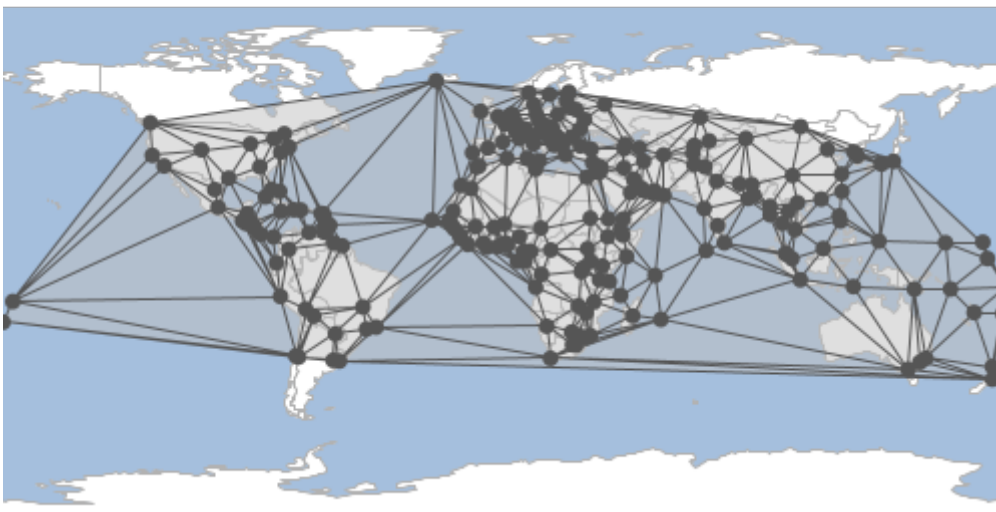
Name	Type
the_geom	Point
name	String
id	Integer

## Delaunay

Calculate a delaunay diagram of all the features in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector delaunay -i src/test/resources/data.gpkg -l places -o target/delaunay.shp
```

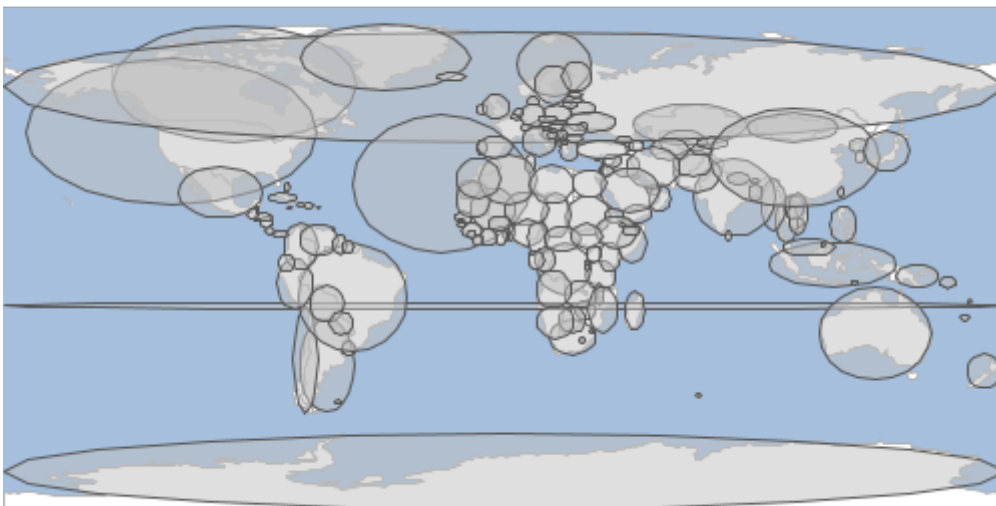


# Ellipse

Calculate the ellipse around each feature in a Layer.

Short Name	Long Name	Description
-g	--geometry	The geometry expression
-w	--width	The width of the bounds
-h	--height	The height of the bounds
-p	--num-points	The number of points
-a	--rotation	The angle of rotation
-u	--unit	The unit can either be degrees(d) or radians(r). The default is degrees.
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector ellipse -i src/test/resources/data.gpkg -l countries -o target/ellipse.shp
```

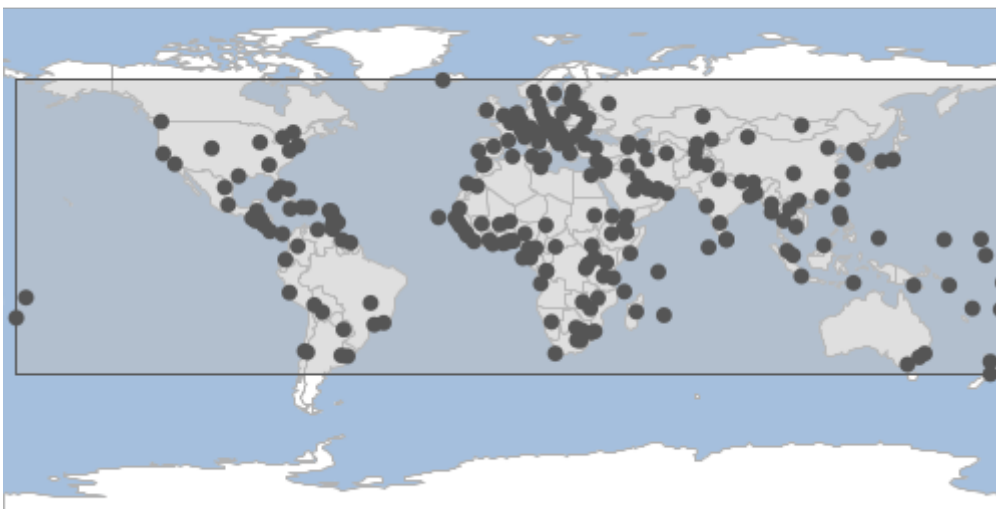


# Envelope

Calculate the envelope of all the features in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector envelope -i src/test/resources/data.gpkg -l places -o target/envelope.shp
```

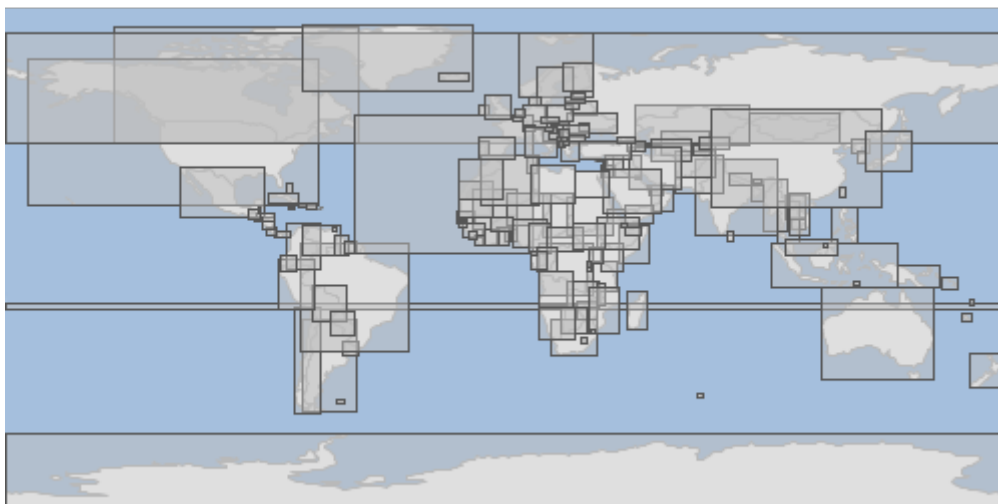


## Envelopes

Calculate the envelopes for each feature in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector envelopes -i src/test/resources/data.gpkg -l countries -o  
target/envelopes.shp
```



## From

Create a Layer from a string of KML, CSV, GML, GEORSS, GEOBUF, GPX or GeoJSON.

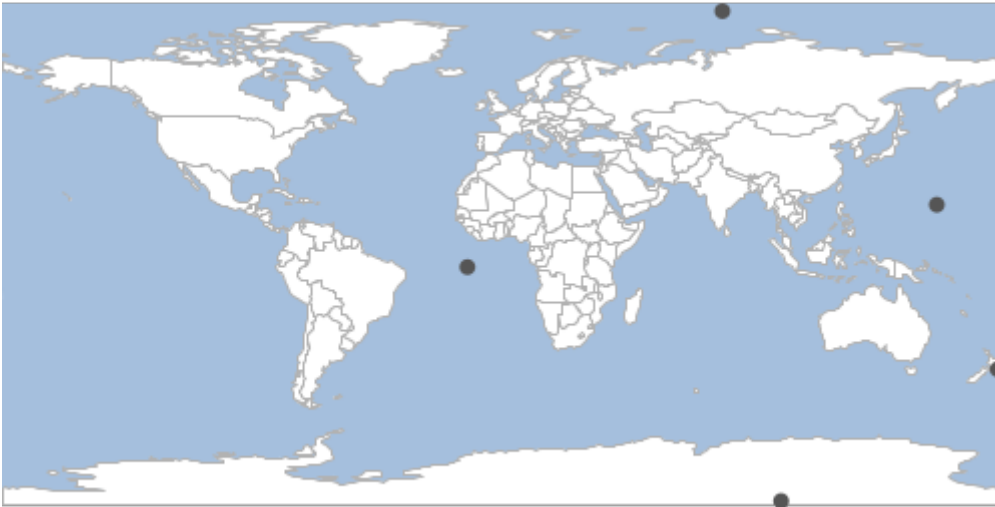
Short Name	Long Name	Description
-t	--text	The text
-f	--format	The string format (CSV, GeoJSON, KML, GML)
-g	--geometry-type	The geometry type
-p	--format-options	A format options 'key=value'
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
	--help	Print the help message
	--web-help	Open help in a browser

### GeoJSON

*points.json*

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [177.7358, -41.5938]
      },
      "properties": {
        "id": 0,
        "id": "randompoints.1"
      }
    },
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [-12.7802, -4.8791]
      },
      "properties": {
        "id": 1,
        "id": "randompoints.2"
      }
    },
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [99.9249, -88.9583]
      },
      "properties": {
        "id": 2,
        "id": "randompoints.3"
      }
    },
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [78.8382, 87.1159]
      },
      "properties": {
        "id": 3,
        "id": "randompoints.4"
      }
    },
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [155.8609, 17.5303]
      },
      "properties": {
        "id": 4,
        "id": "randompoints.5"
      }
    }
  ]
}
```

```
cat points.json | geoc vector from -f csv
```



CSV

*points.csv*

```
"the_geom:Point:EPSG:4326","id:Integer"  
"POINT (65.4680431896839 77.51963959843317)","0"  
"POINT (16.532692912564073 50.625831289021505)","1"  
"POINT (-2.2731890544690714 45.26186397443823)","2"  
"POINT (96.91499831762468 62.045612096005954)","3"  
"POINT (-97.88797301051767 -62.69846636990165)","4"
```

```
cat points.csv | geoc vector from -f csv
```

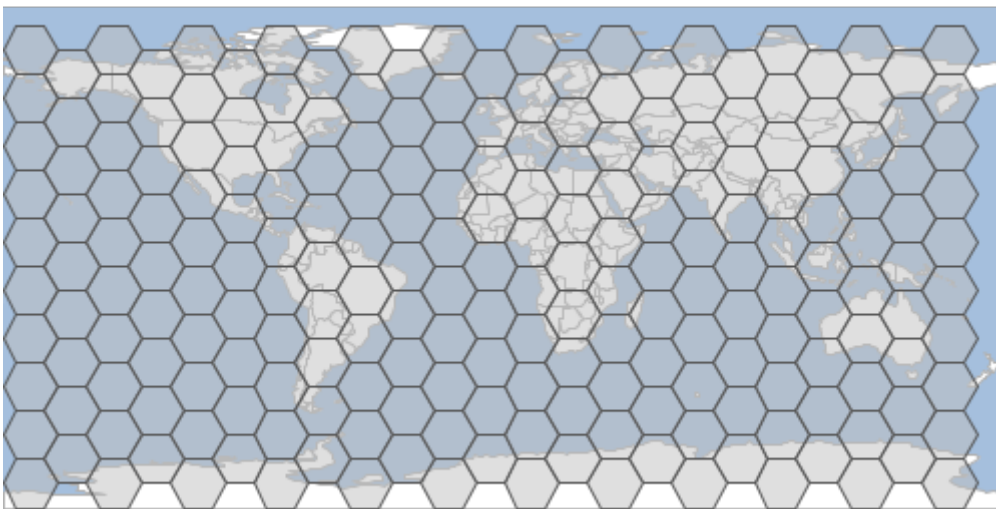


# Graticule - Hexagon

Create hexagon graticules.

Short Name	Long Name	Description
-g	--geometry	The geometry
-l	--length	The length
-s	--spacing	The spacing (defaults to -1)
-t	--orientation	The orientation (flat or angled).
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector graticule hexagon -g -180,-90,180,90 -l 10 -o target/hexagons.shp
```



# Graticule - Line

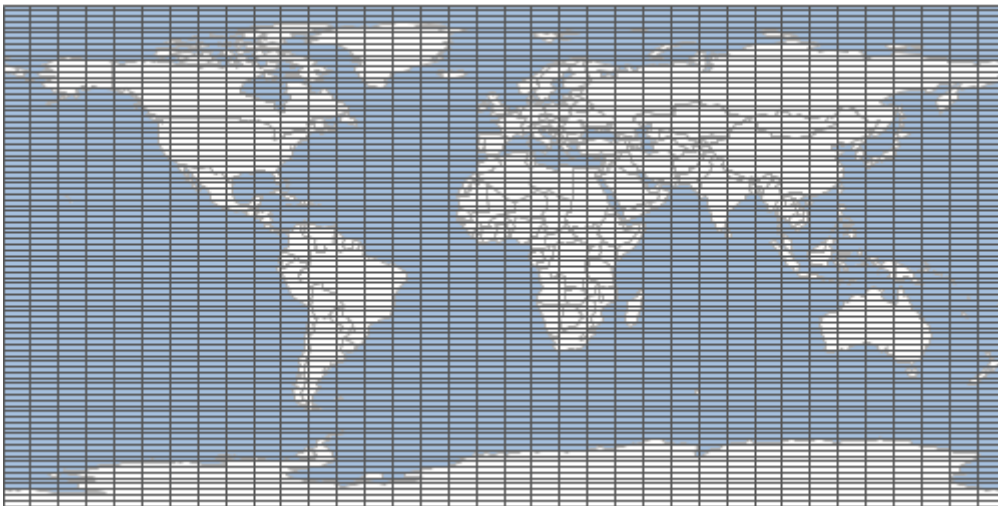
Create line graticules.

Short Name	Long Name	Description
-g	--geometry	The geometry
-s	--spacing	The spacing (defaults to -1)



Short Name	Long Name	Description
-l	--line-definition	Each line definition has comma delimited orientation (vertical or horizontal), level, and spacing)
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector graticule line -g -180,-90,180,90 -l vertical,2,10 -l horizontal,1,2 -o
target/lines.shp
```

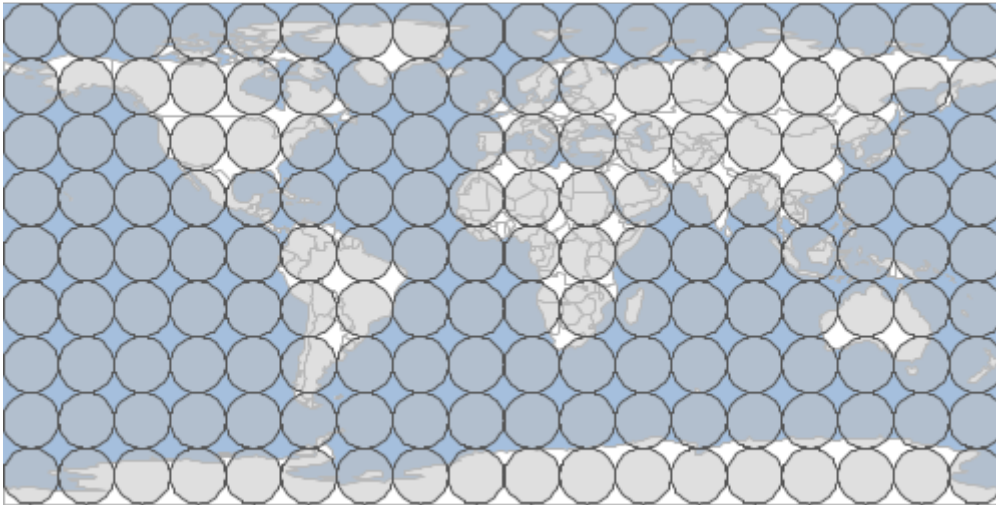


## Graticule - Oval

Create oval graticules.

Short Name	Long Name	Description
-g	--geometry	The geometry
-l	--length	The length
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector graticule oval -g -180,-90,180,90 -l 20 -o target/ovals.shp
```

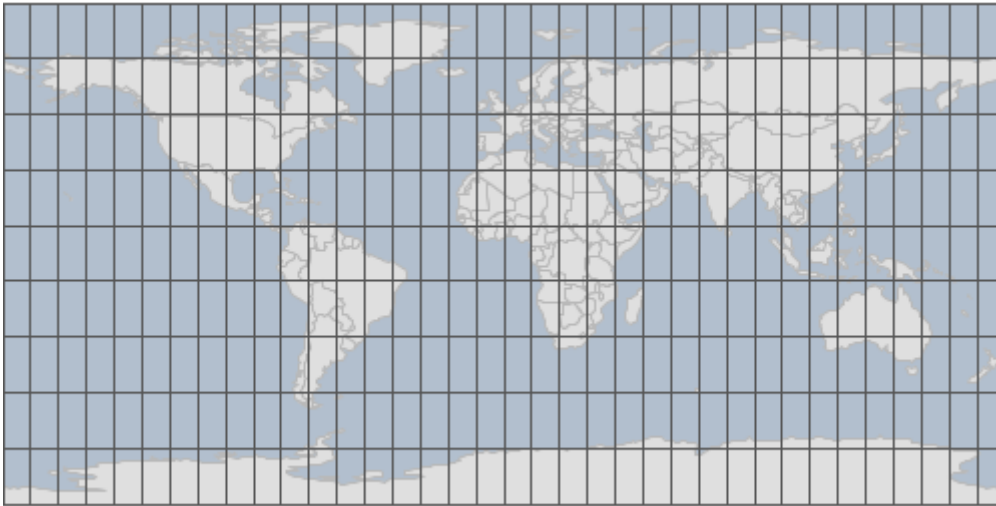


## Graticule - Rectangle

Create rectangle graticules.

Short Name	Long Name	Description
-g	--geometry	The geometry
-w	--width	The width
-h	--height	The height
-s	--spacing	The spacing (defaults to -1)
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector graticule rectangle -g -180,-90,180,90 -w 10 -h 20 -o  
target/rectangles.shp
```

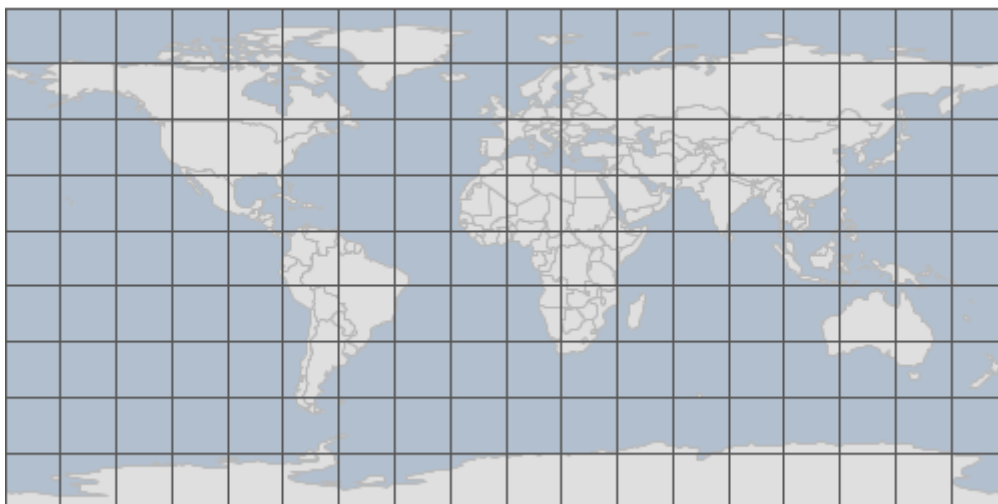


## Graticule - Square

Create square graticules.

Short Name	Long Name	Description
-g	--geometry	The geometry
-l	--length	The length
-s	--spacing	The spacing (defaults to -1)
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector graticule square -g -180,-90,180,90 -l 20 -o target/squares.shp
```



## Info

Get information about a Layer.

Short Name	Long Name	Description
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector info -i src/test/resources/data.gpkg -l countries
```

```

Name: countries
Geometry: MultiPolygon
Extent: -180.0, -90.0, 180.00000000000006, 83.64513000000001
Projection ID: EPSG:4326
Projection WKT: GEOGCS["WGS 84",
  DATUM["World Geodetic System 1984",
    SPHEROID["WGS 84", 6378137.0, 298.257223563, AUTHORITY["EPSG","7030"]],
    AUTHORITY["EPSG","6326"]],
  PRIMEM["Greenwich", 0.0, AUTHORITY["EPSG","8901"]],
  UNIT["degree", 0.017453292519943295],
  AXIS["Geodetic longitude", EAST],
  AXIS["Geodetic latitude", NORTH],
  AUTHORITY["EPSG","4326"]]
Feature Count: 177
Fields:
the_geom: MultiPolygon
featurecla: String
scalerank: Integer
LABELRANK: Integer
SOVEREIGNT: String
SOV_A3: String
ADM0_DIF: Integer
...

```

## Interior Point

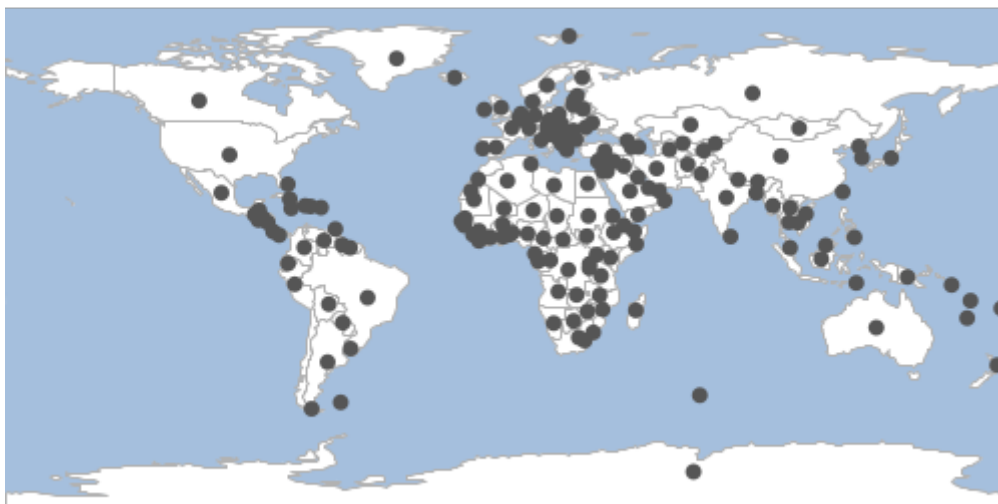
Calculate the interior point of all the features in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```

geoc vector interiorPoint -i src/test/resources/data.gpkg -l countries -o
target/countries_interiorpoints.shp

```



## Layer List

List the Layers in a Workspace.

Short Name	Long Name	Description
-i	--input-workspace	The input workspace
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector list layers -i src/test/resources/data.gpkg
```

```
countries
graticules
ocean
places
rivers
states
```

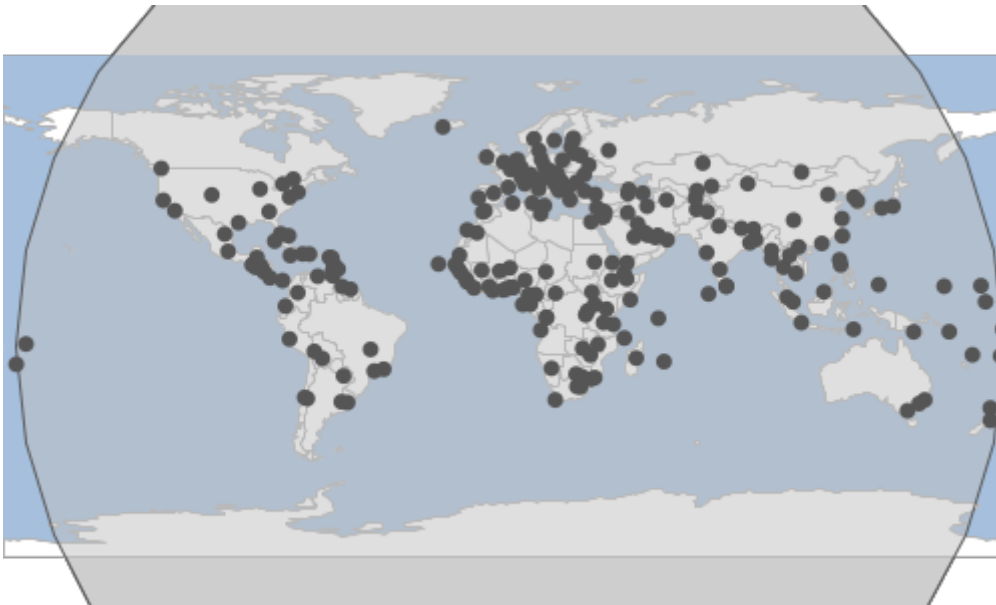
## Minimum Bounding Circle

Calculate the minimum bounding circle of all the features in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector mincircle -i src/test/resources/data.gpkg -l places -o
target/mincircle.shp
```

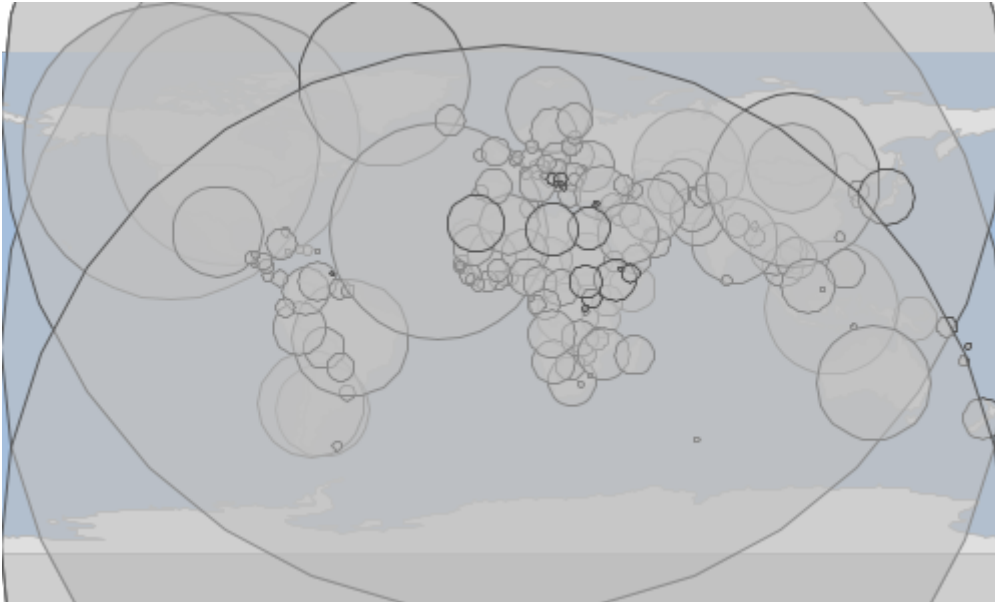


## Minimum Bounding Circles

Calculate the minimum bounding circle for each feature in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector mincircles -i src/test/resources/data.gpkg -l countries -o
target/mincircles.shp
```

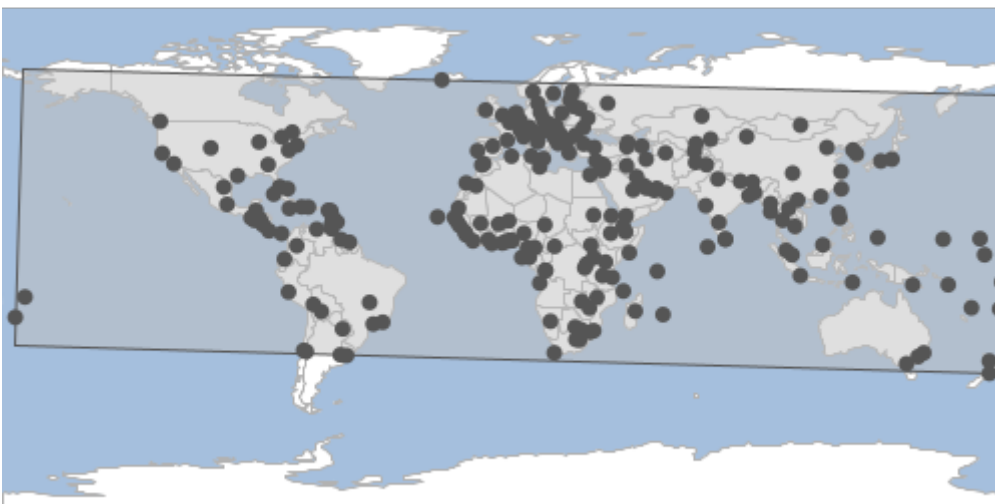


## Minimum Bounding Rectangle

Calculate the minimum bounding rectangle of all the features in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector minrect -i src/test/resources/data.gpkg -l places -o target/minrect.shp
```



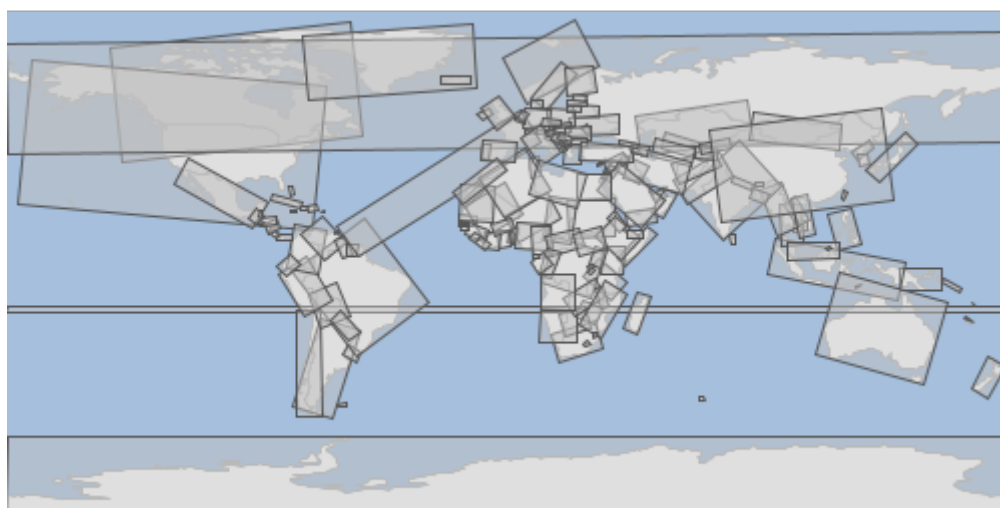


# Minimum Bounding rects

Calculate the minimum bounding rectangle for each feature in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector minrects -i src/test/resources/data.gpkg -l countries -o  
target/minrects.shp
```



# Project

Project the input Layer to another Projection and save it as the output Layer.

Short Name	Long Name	Description
-s	--source-projection	The source projection
-t	--target-projection	The target projection
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector project -i src/test/resources/data.gpkg -l places -o target/mercator.gpkg
-r places -s EPSG:4326 -t EPSG:3857
```



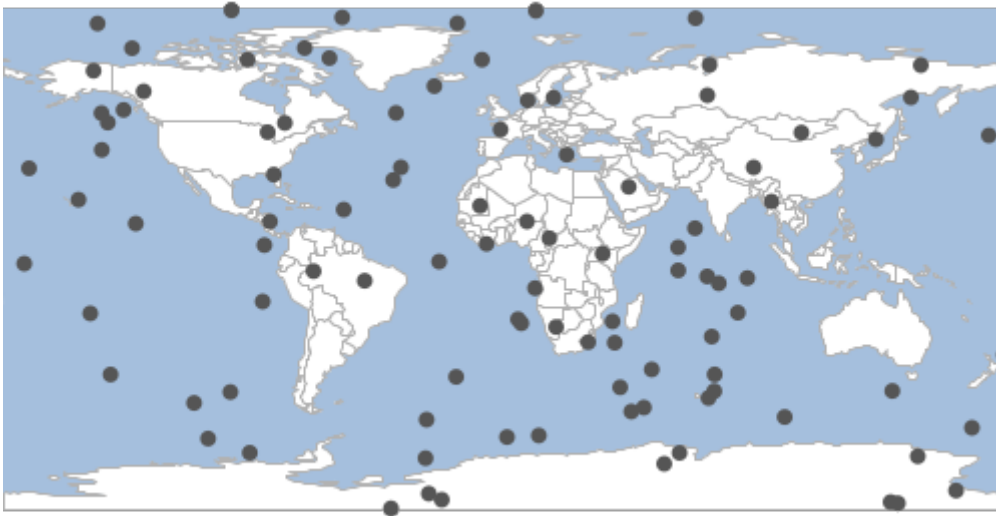
## Random Points

Generate random points.

Short Name	Long Name	Description
-n	--number	The number of points
-p	--projection	The projection
-g	--geometry	The geometry
-d	--grid	Whether to create random points in grid
-c	--constrained-to-circle	Whether the points should be constrained to a circle or not
-f	--gutter-fraction	The size of the gutter between cells
-e	--geom-fieldname	The geometry field name

Short Name	Long Name	Description
-u	--id-fieldname	The id field name
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector randompoints -n 100 -g -180,-90,180,90 -o target/randompoints.shp
```



## To

Write a Layer to a String format (CSV, GeoJSON, KML, GML, GEORSS, GPX).

Short Name	Long Name	Description
-f	--format	The string format (CSV, GeoJSON, KML, GML, GEORSS, GPX)
-p	--format-options	A format options 'key=value'
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

### GeoJSON

```
geoc vector to -i target/randompoints.shp -f geojson
```

```
{
  "type": "FeatureCollection",
  "features": [
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [4.8696, -5.5888]
      },
      "properties": {
        "id": 0,
        "id": "randompoints.1"
      }
    },
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [-35.6349, 82.7807]
      },
      "properties": {
        "id": 1,
        "id": "randompoints.2"
      }
    },
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [120.2461, -57.8146]
      },
      "properties": {
        "id": 2,
        "id": "randompoints.3"
      }
    },
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [-119.1271, 3.2741]
      },
      "properties": {
        "id": 3,
        "id": "randompoints.4"
      }
    },
    {
      "type": "Feature",
      "geometry": {
        "type": "Point",
        "coordinates": [-10.9234, -13.8305]
      },
      "properties": {
        "id": 4,
        "id": "randompoints.5"
      }
    }
  ]
}
```

## CSV

```
geoc vector to -i target/randompoints.shp -f csv
```

```
"the_geom:Point:EPSG:4326","id:Integer"
"POINT (-138.9082226488125 -52.028470600976384)","0"
"POINT (-70.41066743471677 45.90664010935447)","1"
"POINT (172.42024580795442 83.55984221951908)","2"
"POINT (167.79218820872427 75.90125860764894)","3"
"POINT (-17.23167550588201 -29.72467722649109)","4"
```

## Schema

Get a Layer's Schema.

Short Name	Long Name	Description
-p	--pretty-print	Whether to pretty print the output
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector schema -i src/test/resources/data.gpkg -l countries -p
```

```
-----
| name      | type      |
|-----|-----|
| the_geom  | MultiPolygon |
| featurecla | String    |
| scalerank | Integer   |
| LABELRANK | Integer   |
| SOVEREIGNT | String    |
|-----|-----|
```

SOV_A3	String	
ADM0_DIF	Integer	
LEVEL	Integer	
TYPE	String	
ADMIN	String	
ADM0_A3	String	
GEOU_DIF	Integer	
GEUNIT	String	
GU_A3	String	
SU_DIF	Integer	
SUBUNIT	String	
SU_A3	String	
BRK_DIFF	Integer	
NAME	String	
NAME_LONG	String	
BRK_A3	String	
BRK_NAME	String	
ABBREV	String	
POSTAL	String	
FORMAL_EN	String	
FORMAL_FR	String	
NAME_CIAWF	String	
NOTE_ADM0	String	
NOTE_BRK	String	
NAME_SORT	String	
NAME_ALT	String	
MAPCOLOR7	Integer	
MAPCOLOR8	Integer	
MAPCOLOR9	Integer	
MAPCOLOR13	Integer	
POP_EST	Double	
POP_RANK	Integer	
POP_YEAR	Integer	
GDP_MD	Integer	
GDP_YEAR	Integer	
ECONOMY	String	
INCOME_GRP	String	
FIPS_10	String	
ISO_A2	String	
ISO_A2_EH	String	
ISO_A3	String	
ISO_A3_EH	String	
ISO_N3	String	
ISO_N3_EH	String	
UN_A3	String	
WB_A2	String	
WB_A3	String	
WOE_ID	Integer	
WOE_ID_EH	Integer	
WOE_NOTE	String	
ADM0_A3_IS	String	

ADM0_A3_US	String
ADM0_A3_FR	String
ADM0_A3_RU	String
ADM0_A3_ES	String
ADM0_A3_CN	String
ADM0_A3_TW	String
ADM0_A3_IN	String
ADM0_A3_NP	String
ADM0_A3_PK	String
ADM0_A3_DE	String
ADM0_A3_GB	String
ADM0_A3_BR	String
ADM0_A3_IL	String
ADM0_A3_PS	String
ADM0_A3_SA	String
ADM0_A3_EG	String
ADM0_A3_MA	String
ADM0_A3_PT	String
ADM0_A3_AR	String
ADM0_A3_JP	String
ADM0_A3_KO	String
ADM0_A3_VN	String
ADM0_A3_TR	String
ADM0_A3_ID	String
ADM0_A3_PL	String
ADM0_A3_GR	String
ADM0_A3_IT	String
ADM0_A3_NL	String
ADM0_A3_SE	String
ADM0_A3_BD	String
ADM0_A3_UA	String
ADM0_A3_UN	Integer
ADM0_A3_WB	Integer
CONTINENT	String
REGION_UN	String
SUBREGION	String
REGION_WB	String
NAME_LEN	Integer
LONG_LEN	Integer
ABBREV_LEN	Integer
TINY	Integer
HOMEPART	Integer
MIN_ZOOM	Double
MIN_LABEL	Double
MAX_LABEL	Double
NE_ID	Long
WIKIDATAID	String
NAME_AR	String
NAME_BN	String
NAME_DE	String
NAME_EN	String

NAME_ES	String	
NAME_FA	String	
NAME_FR	String	
NAME_EL	String	
NAME_HE	String	
NAME_HI	String	
NAME_HU	String	
NAME_ID	String	
NAME_IT	String	
NAME_JA	String	
NAME_KO	String	
NAME_NL	String	
NAME_PL	String	
NAME_PT	String	
NAME_RU	String	
NAME_SV	String	
NAME_TR	String	
NAME_UK	String	
NAME_UR	String	
NAME_VI	String	
NAME_ZH	String	
NAME_ZHT	String	
FCLASS_ISO	String	
FCLASS_US	String	
FCLASS_FR	String	
FCLASS_RU	String	
FCLASS_ES	String	
FCLASS_CN	String	
FCLASS_TW	String	
FCLASS_IN	String	
FCLASS_NP	String	
FCLASS_PK	String	
FCLASS_DE	String	
FCLASS_GB	String	
FCLASS_BR	String	
FCLASS_IL	String	
FCLASS_PS	String	
FCLASS_SA	String	
FCLASS_EG	String	
FCLASS_MA	String	
FCLASS_PT	String	
FCLASS_AR	String	
FCLASS_JP	String	
FCLASS_KO	String	
FCLASS_VN	String	
FCLASS_TR	String	
FCLASS_ID	String	
FCLASS_PL	String	
FCLASS_GR	String	
FCLASS_IT	String	
FCLASS_NL	String	

FCLASS_SE	String	
FCLASS_BD	String	
FCLASS_UA	String	
-----		

## Voronoi

Calculate a voronoi diagram of all the features in a Layer.

Short Name	Long Name	Description
-o	--output-workspace	The output workspace
-r	--output-layer	The output layer
-i	--input-workspace	The input workspace
-l	--input-layer	The input layer
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc vector voronoi -i src/test/resources/data.gpkg -l places -o target/voronoi.shp
```

