cd nanocube-master

# modify INSTALL\_DIR to point to another installation folder if neededexport INSTALL\_DIR="$(pwd)/install"

./configure --with-polycover --prefix="$INSTALL\_DIR"

make

make install

# Test if nanocubes is working$INSTALL\_DIR/bin/nanocube

# Add nanocube binaries to the PATH environment variableexport PATH="$INSTALL\_DIR/bin":$PATH

# create a nanocube index for the Chicago Crime dataset (small example included)# Inputs: (1) CSV data file, (2) mapping file (data/crime50k.map)# Output: (1) nanocube index called data/crime50k.nanocube

nanocube create <(gunzip -c data/crime50k.csv.gz) data/crime50k.map data/crime50k.nanocube -header

# serve the nanocube index just created on port 51234

nanocube serve 51234 crimes=data/crime50k.nanocube &

# test querying the schema of the index

curl "localhost:51234/schema()"

# test querying the number of indexed records

curl "localhost:51234/format('text');q(crimes)"

# test querying the number of records per crime type

curl "localhost:51234/format('text');q(crimes.b('type',dive(1),'name'))"

<http://localhost:51234/q(crimes.b('type',pathagg('THEFT','BURGLARY')))>

nm@nm-machine:~/nanocube-master/install/bin$ python nanocube\_webconfig -s http://`hostname -f` --ncport 51234 -p 8000