

Privacy by Encrypted Databases

What is an encrypted
database?

What is adjustable
encryption?

Does that solve the privacy
problem in the cloud?

Histograms

```
SELECT loc, COUNT(loc)
FROM PlainData GROUP BY loc
WHERE val > 100
ORDER BY COUNT(loc)
```

```
UPDATE count =  
    (SELECT count  
     WHERE time = '20.5.2014  
12:45' AND loc = 'Athens') +  
    1  
    INTO AggregateData  
    WHERE time = '20.5.2014  
12:45' AND loc = 'Athens'
```