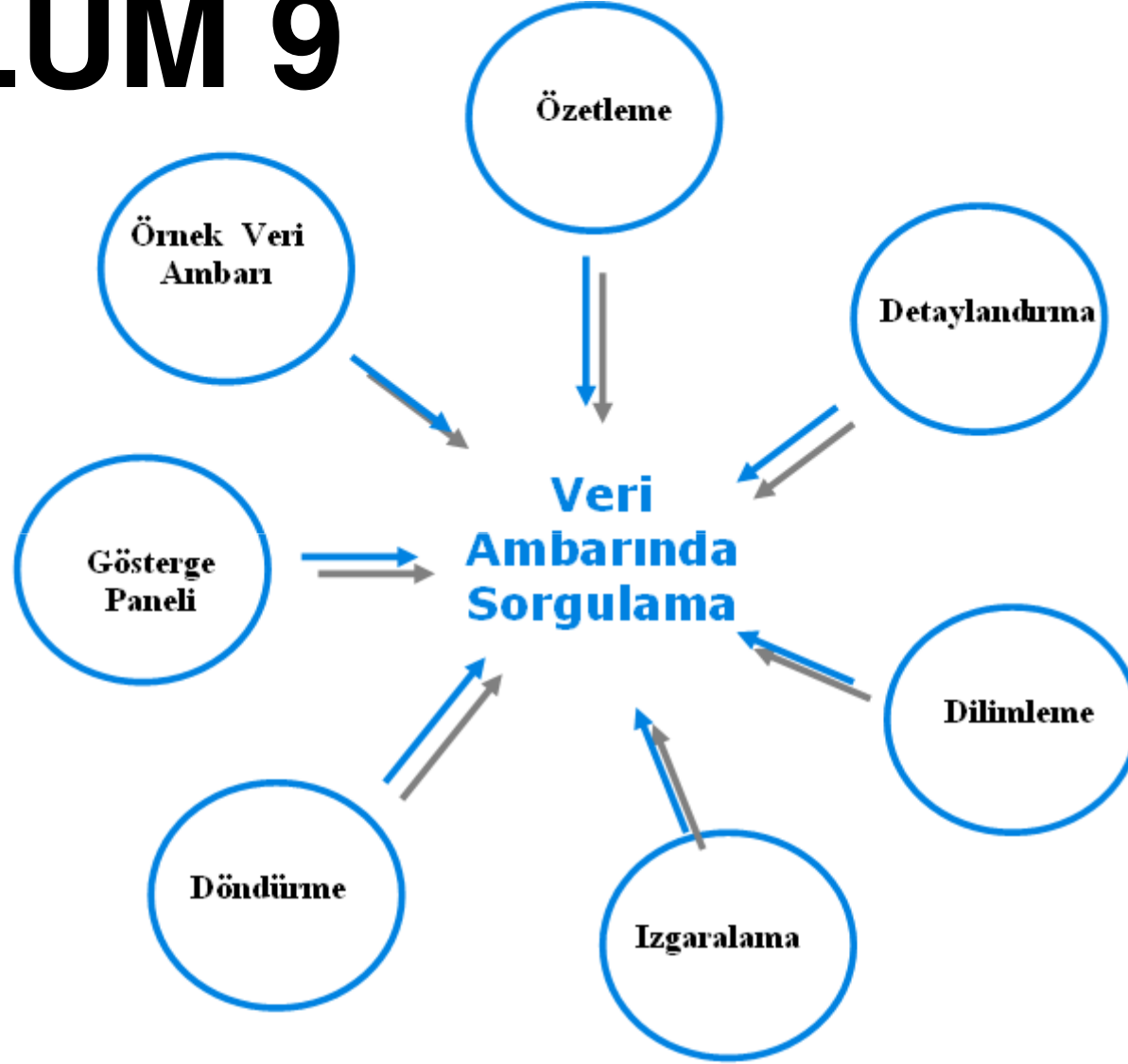


# İş Zekası ve Veri Ambarı Sistemleri

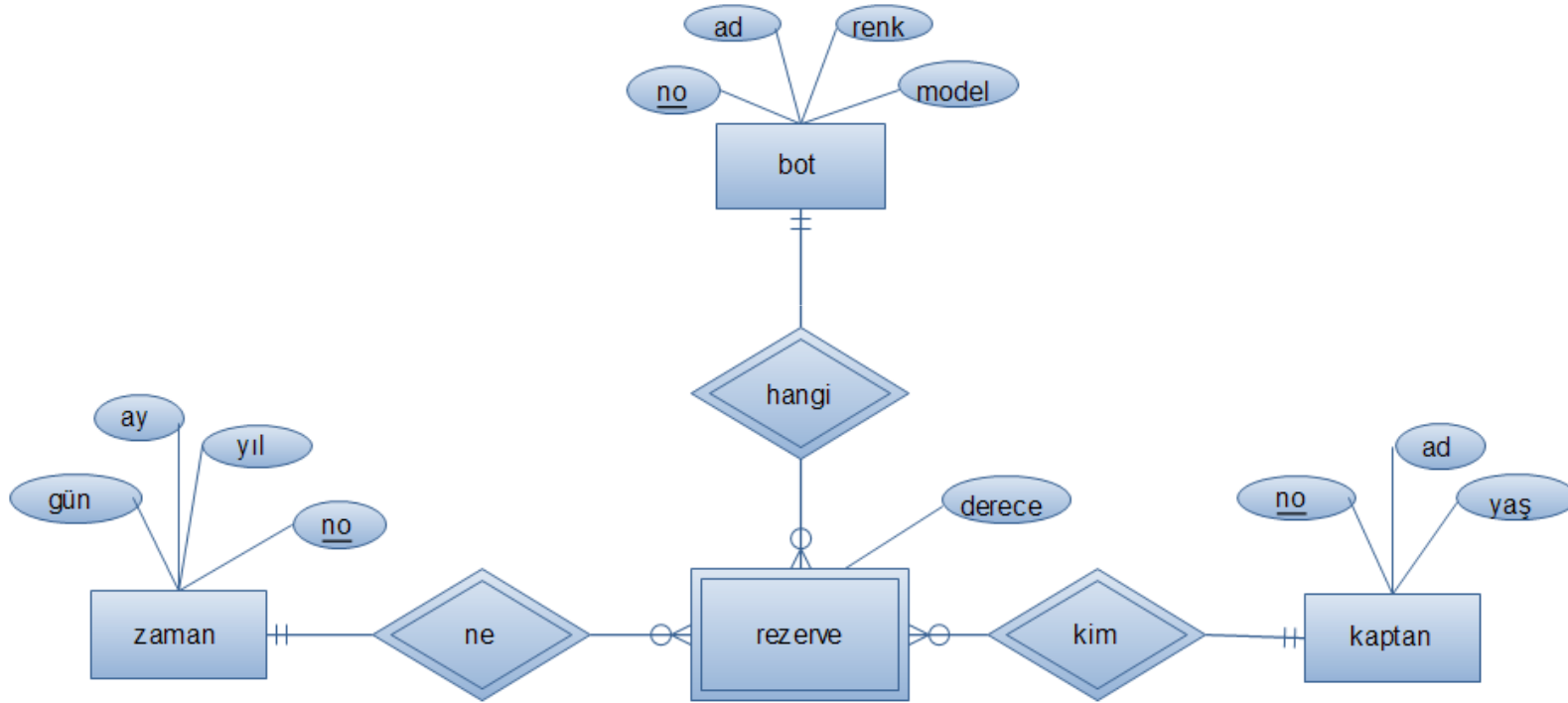
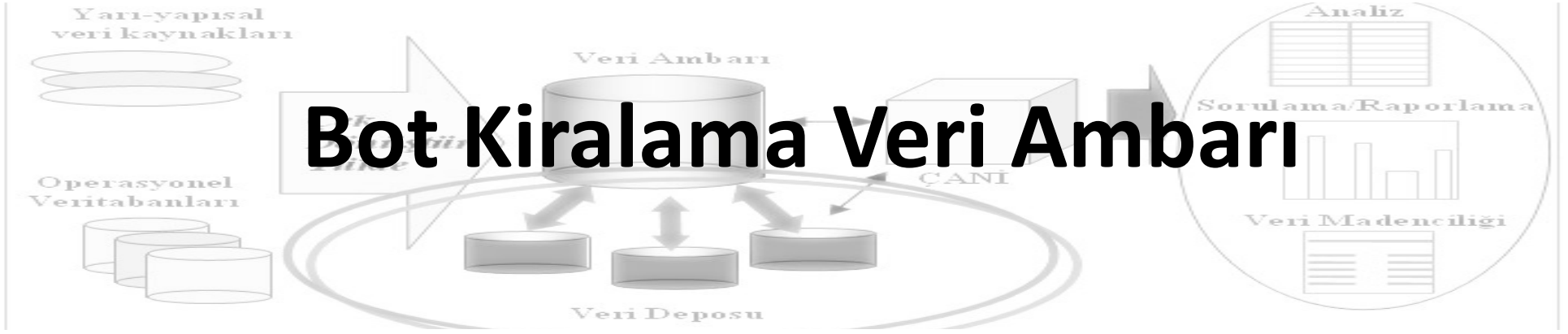
Nergiz Ercil Çağıltay

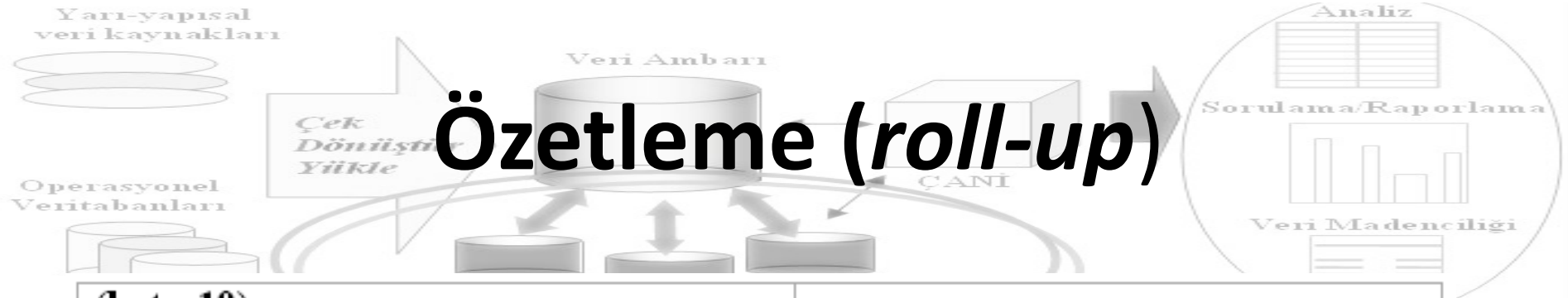
“Aradığını bilmeyen bulduğunu anlayamaz.” Calude Bernard

# BÖLÜM 9



# Bot Kiralama Veri Ambarı





# Özetleme (roll-up)

**(bot\_s10)**

```
SELECT zaman.yil,
       count(*) AS
       ToplamRezervasyon
FROM zaman, rezerve
WHERE rezerve.zno=zaman.[no]
GROUP BY zaman.yil;
```

yil	ToplamRezervasyon
2008	12
2009	26

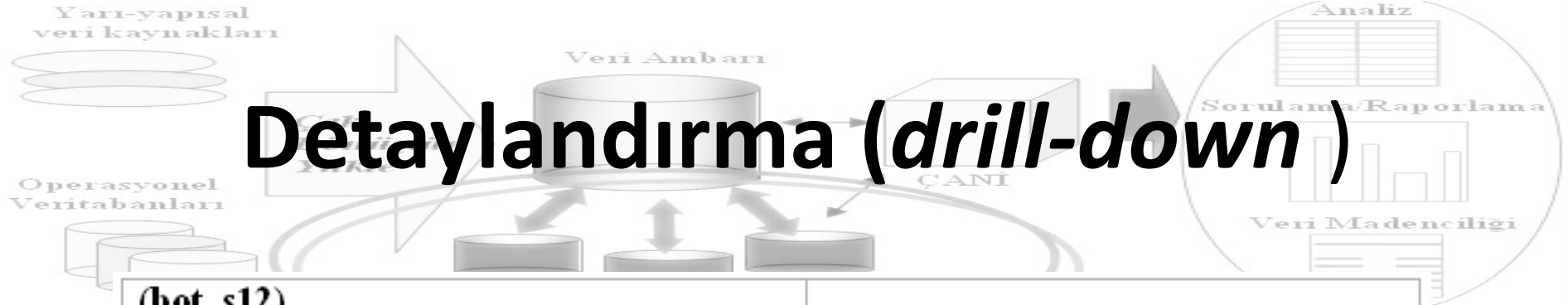
**(bot\_s11)**

```
SELECT zaman.ay, zaman.yil,
       count(*) AS
       ToplamRezervasyon
FROM zaman, rezerve
WHERE rezerve.zno=zaman.[no]
GROUP BY zaman.ay, zaman.yil
ORDER BY zaman.yil, zaman.ay;
```

**Özetlene**

ay	yil	ToplamRezervasyon
6	2008	7
7	2008	5
6	2009	15
7	2009	11

# Detaylandırma (drill-down)



**(bot\_s12)**

```
SELECT zaman.yıl,  
       count(*) AS  
       ToplamRezervasyon  
FROM zaman, rezerve  
WHERE rezerve.zno=zaman.[no]  
GROUP BY zaman.yıl;
```

yıl	ToplamRezervasyon
2008	12
2009	26

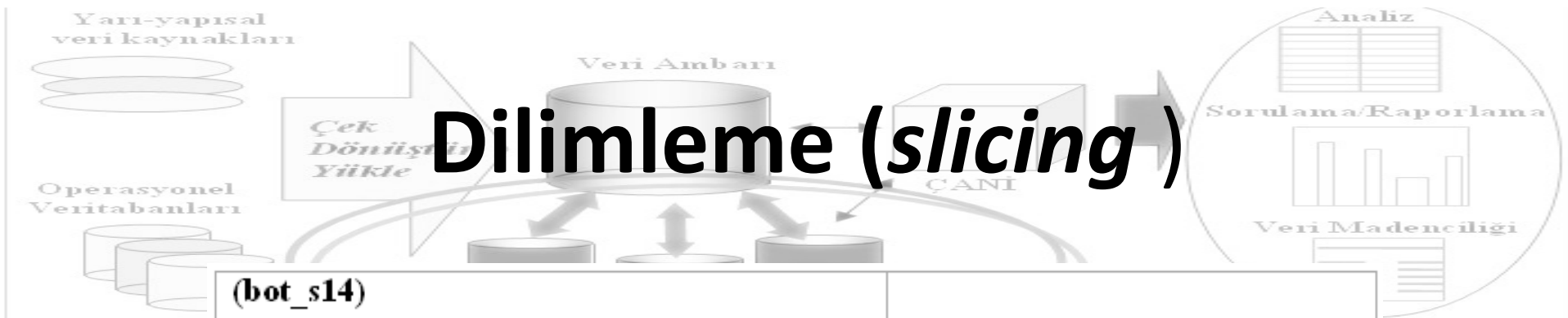
*drill-down*

**(bot\_s13)**

```
SELECT zaman.ay, zaman.yıl,  
       count(*) AS  
       ToplamRezervasyon  
FROM zaman, rezerve  
WHERE rezerve.zno=zaman.[no]  
GROUP BY zaman.ay, zaman.yıl  
ORDER BY zaman.yıl, zaman.ay;
```

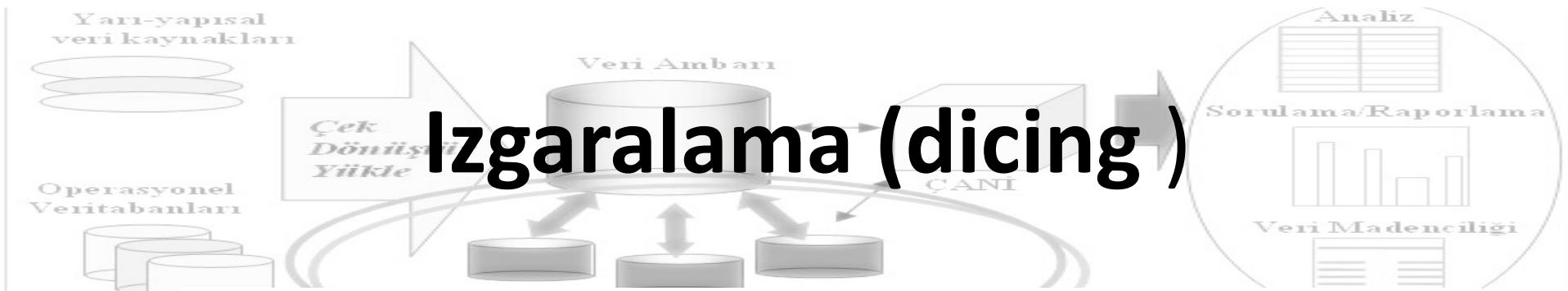
**Detaylandırma**

ay	yıl	ToplamRezervasyon
6	2008	7
7	2008	5
6	2009	15
7	2009	11



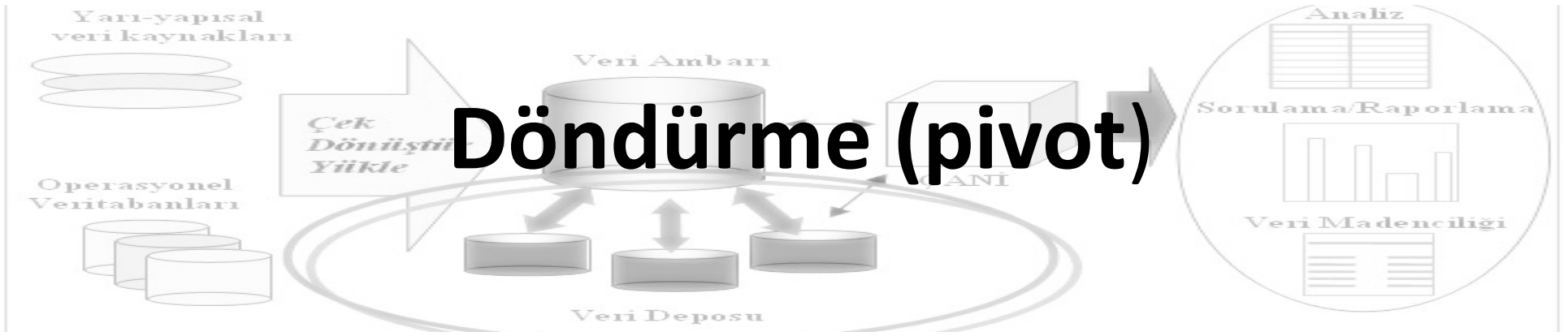
# Dilimleme (*slicing*)

<p><b>(bot_s14)</b></p> <pre>SELECT count(*) AS rezervasyon, zaman.ay, zaman.yıl FROM bot, rezerve, zaman WHERE (bot.renk="sarı" OR bot.renk="kırmızı") AND rezerve.bno=bot.no AND rezerve.zNo=zaman.no GROUP BY zaman.ay, zaman.yıl ORDER BY zaman.yıl, zaman.ay;</pre>	<p><b>Kırmızı ve Sarı Botların Rezervasyonu</b></p> <table border="1"> <thead> <tr> <th>rezervasyon</th> <th>ay</th> <th>yıl</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>6</td> <td>2008</td> </tr> <tr> <td>4</td> <td>7</td> <td>2008</td> </tr> <tr> <td>13</td> <td>6</td> <td>2009</td> </tr> <tr> <td>7</td> <td>7</td> <td>2009</td> </tr> </tbody> </table>	rezervasyon	ay	yıl	7	6	2008	4	7	2008	13	6	2009	7	7	2009
rezervasyon	ay	yıl														
7	6	2008														
4	7	2008														
13	6	2009														
7	7	2009														
<p><b>(bot_s15)</b></p> <pre>SELECT count(*) AS rezervasyon, zaman.ay, zaman.yıl FROM bot, rezerve, zaman WHERE bot.renk="kırmızı" AND rezerve.bno=bot.no AND rezerve.zNo=zaman.no GROUP BY zaman.ay, zaman.yıl ORDER BY zaman.yıl, zaman.ay;</pre>	<p><b>DİLİMLEME</b></p> <p><b>Kırmızı Botların Rezervasyonu</b></p> <table border="1"> <thead> <tr> <th>rezervasyon</th> <th>ay</th> <th>yıl</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>6</td> <td>2008</td> </tr> <tr> <td>4</td> <td>7</td> <td>2008</td> </tr> <tr> <td>8</td> <td>6</td> <td>2009</td> </tr> <tr> <td>5</td> <td>7</td> <td>2009</td> </tr> </tbody> </table>	rezervasyon	ay	yıl	2	6	2008	4	7	2008	8	6	2009	5	7	2009
rezervasyon	ay	yıl														
2	6	2008														
4	7	2008														
8	6	2009														
5	7	2009														



# Izgaralama (dicing)

<p><b>(bot_s16)</b></p> <pre>SELECT count(*) AS rezervasyon, zaman.ay, zaman.yıl FROM bot, rezerve, zaman WHERE bot.renk="kırmızı" AND rezerve.bno=bot.no AND rezerve.zNo=zaman.no GROUP BY zaman.ay, zaman.yıl ORDER BY zaman.yıl, zaman.ay;</pre>	<p><b>Kırmızı Botların Rezervasyonu</b></p> <table border="1"> <thead> <tr> <th>rezervasyon</th> <th>ay</th> <th>yıl</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>6</td> <td>2008</td> </tr> <tr> <td>4</td> <td>7</td> <td>2008</td> </tr> <tr> <td>8</td> <td>6</td> <td>2009</td> </tr> <tr> <td>5</td> <td>7</td> <td>2009</td> </tr> </tbody> </table>	rezervasyon	ay	yıl	2	6	2008	4	7	2008	8	6	2009	5	7	2009
rezervasyon	ay	yıl														
2	6	2008														
4	7	2008														
8	6	2009														
5	7	2009														
<p><b>(bot_s17)</b></p> <pre>SELECT count(*) AS rezervasyon FROM bot, rezerve, zaman WHERE bot.renk="kırmızı" AND rezerve.bno=bot.no AND rezerve.zNo=zaman.no AND zaman.yıl=2008;</pre>	<p><b>Izgaralama</b></p> <p><b>Kırmızı Botların 2008 Yılındaki Rezervasyonu</b></p> <table border="1"> <thead> <tr> <th>rezervasyon</th> </tr> </thead> <tbody> <tr> <td>6</td> </tr> </tbody> </table>	rezervasyon	6													
rezervasyon																
6																



satırlar ile sütunları yer değiştirerek elde edilen analizlerdir.