1. **Number of Zones per Section**

SELECT DISTINCT

s.se\_name,

Count (\*) as Number\_of\_Zones

From section as s

Left Join section\_2\_zone as s2z

on s2z.s2z\_section\_id=s.se\_id

Left Join zone as z

on z.zo\_id = s2z.s2z\_zone\_id

Group BY se\_name

Order By Number\_of\_Zones desc

**Average Zones**

SELECT

AVG(c.number\_of\_zones) as Mittelwert

FROM

(

SELECT

s.se\_name,

Count (\*) as Number\_of\_Zones

From section as s

Left Join section\_2\_zone as s2z

on s2z.s2z\_section\_id=s.se\_id

Left Join zone as z

on z.zo\_id = s2z.s2z\_zone\_id

GROUP BY se\_name

) as C

**Ergebnisse vgl. Tab „Nr\_Zones\_Section“**

1. **Sections with only one Zone**

SELECT

se\_name

FROM

(

SELECT

s.se\_name,

Count (\*) as Number\_of\_Zones

From section as s

Left Join section\_2\_zone as s2z

on s2z.s2z\_section\_id=s.se\_id

Left Join zone as z

on z.zo\_id = s2z.s2z\_zone\_id

GROUP BY se\_name

) as C

WHERE c.Number\_of\_Zones = 1

**Ergebnisse vgl. Tab „1Zone“**

1. **Walkbys / Visits per Hour**

SELECT

en\_type\_id,

DATEPART (Hour, en\_time\_start) as Hour,

count(\*) as anzahl

FROM encounter

GROUP BY en\_type\_id, DATEPART (Hour, en\_time\_start)

ORDER BY en\_type\_id

**Ergebnisse vgl. Tab „Hour“**

1. **Zones most visited**

SELECT TOP 2

ze.ze\_zone\_id,

ze.ze\_next\_zone\_id,

Count (ze.ze\_id) As Visit

From

zone\_encounter as ze

LEFT JOIN

zone as z

on z.zo\_id = ze.ze\_zone\_id

WHERE ze\_next\_zone\_id IS NOT NULL

GROUP BY

ze.ze\_zone\_id,

ze.ze\_next\_zone\_id

ORDER BY Visit desc

**Ergebnis:**

|  |  |  |
| --- | --- | --- |
| **First Zone ID** | **Next Zone ID** | **Visits** |
| 25 | 30 | 233 |
| 99 | 98 | 62 |

1. **Visits returning visits**

**Jahr:**

SELECT

Jahr,

Count (\*) as Visit,

SUM (Return\_Year) as 'Return visit'

FROM

(SELECT

DATEPART(Year, en\_time\_start) as Jahr

,DATEPART(MONTH, en\_time\_start) as Monat

,DATEPART(Week, en\_time\_start) as Woche

,DATEPART(DAY, en\_time\_start) as Tag

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) THEN 1 ELSE 0 END as Return\_Year

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) THEN 1 ELSE 0 END as Return\_MONTH

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) AND DATEPART(WEEK, en\_time\_start) = DATEPART(WEEK, en\_last\_seen)THEN 1 ELSE 0 END as Return\_Week

,CASE WHEN DATEPART(DAYOFYEAR, en\_time\_start) = DATEPART(DAYOFYEAR, en\_last\_Seen) THEN 1 ELSE 0 END as Return\_Day

FROM encounter

) as r

GROUP BY Jahr

ORDER BY Jahr desc

**Monat:**

SELECT

Jahr,

Monat,

Count (\*) as Visit,

SUM (Return\_Month) as 'Return visit'

FROM

(SELECT

DATEPART(Year, en\_time\_start) as Jahr

,DATEPART(MONTH, en\_time\_start) as Monat

,DATEPART(Week, en\_time\_start) as Woche

,DATEPART(DAY, en\_time\_start) as Tag

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) THEN 1 ELSE 0 END as Return\_Year

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) THEN 1 ELSE 0 END as Return\_MONTH

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) AND DATEPART(WEEK, en\_time\_start) = DATEPART(WEEK, en\_last\_seen)THEN 1 ELSE 0 END as Return\_Week

,CASE WHEN DATEPART(DAYOFYEAR, en\_time\_start) = DATEPART(DAYOFYEAR, en\_last\_Seen) THEN 1 ELSE 0 END as Return\_Day

FROM encounter

) as r

GROUP BY Jahr, Monat

ORDER BY Jahr, Monat desc

**Woche:**

SELECT

Jahr,

Monat,

Woche,

Count (\*) as Visit,

SUM (Return\_Week) as 'Return visit'

FROM

(SELECT

DATEPART(Year, en\_time\_start) as Jahr

,DATEPART(MONTH, en\_time\_start) as Monat

,DATEPART(Week, en\_time\_start) as Woche

,DATEPART(DAY, en\_time\_start) as Tag

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) THEN 1 ELSE 0 END as Return\_Year

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) THEN 1 ELSE 0 END as Return\_MONTH

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) AND DATEPART(WEEK, en\_time\_start) = DATEPART(WEEK, en\_last\_seen)THEN 1 ELSE 0 END as Return\_Week

,CASE WHEN DATEPART(DAYOFYEAR, en\_time\_start) = DATEPART(DAYOFYEAR, en\_last\_Seen) THEN 1 ELSE 0 END as Return\_Day

FROM encounter

) as r

GROUP BY Jahr, Monat, Woche

ORDER BY Jahr, Monat, Woche desc

**Tag:**

SELECT

Datum

,Count (\*) as Visit,

SUM (Return\_Day) as 'Return visit'

FROM

(SELECT

CONVERT(DATE,en\_time\_start) as Datum

,DATEPART(Year, en\_time\_start) as Jahr

,DATEPART(MONTH, en\_time\_start) as Monat

,DATEPART(Week, en\_time\_start) as Woche

,DATEPART(DAY, en\_time\_start) as Tag

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) THEN 1 ELSE 0 END as Return\_Year

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) THEN 1 ELSE 0 END as Return\_MONTH

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) AND DATEPART(WEEK, en\_time\_start) = DATEPART(WEEK, en\_last\_seen)THEN 1 ELSE 0 END as Return\_Week

,CASE WHEN DATEPART(DAYOFYEAR, en\_time\_start) = DATEPART(DAYOFYEAR, en\_last\_Seen) THEN 1 ELSE 0 END as Return\_Day

FROM encounter

) as r

GROUP BY Datum

ORDER BY Datum

Desc

**Stunde:**

SELECT

Datum

,Stunde

, COUNT (\*) as Visit

,SUM (Return\_Hour) as 'Return visit'

FROM

(SELECT

CONVERT(DATE,en\_time\_start) as Datum

,DATEPART(Year, en\_time\_start) as Jahr

,DATEPART(MONTH, en\_time\_start) as Monat

,DATEPART(Week, en\_time\_start) as Woche

,DATEPART(DAY, en\_time\_start) as Tag

,DATEPART(HOUR, en\_time\_start) as Stunde

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) THEN 1 ELSE 0 END as Return\_Year

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) THEN 1 ELSE 0 END as Return\_MONTH

,CASE WHEN DATEPART(Year, en\_time\_start) = DATEPART(Year, en\_last\_seen) AND DATEPART(MONTH, en\_time\_start) = DATEPART(MONTH, en\_last\_seen) AND DATEPART(WEEK, en\_time\_start) = DATEPART(WEEK, en\_last\_seen)THEN 1 ELSE 0 END as Return\_Week

,CASE WHEN DATEPART(DAYOFYEAR, en\_time\_start) = DATEPART(DAYOFYEAR, en\_last\_Seen) THEN 1 ELSE 0 END as Return\_Day

,CASE WHEN DATEPART(DAYOFYEAR, en\_time\_start) = DATEPART(DAYOFYEAR, en\_last\_Seen) AND DATEPART (Hour, en\_time\_start) = Datepart (Hour,en\_last\_seen) THEN 1 ELSE 0 END as Return\_Hour

FROM encounter

) as r

GROUP BY Datum, Stunde

ORDER BY Datum , Stunde

**Ergebnisse vgl. Tab „Return“**