

RE: Using COUNT() with CASE

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.programming/2004-12/4894.html>

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Date: 12/21/04

Date: Tue, 21 Dec 2004 07:45:02 -0800

```
> Count(CASE WHEN
> MineRiskEd = '<STRONG>Yes</STRONG>'
> THEN 1
> Else 0
> End
> As MineRiskEd)
```

The error is because you included the column alias inside the COUNT aggregate function. Also, using COUNT in this way is equivalent to use COUNT(*). If you want to count specifics one then do not include the ELSE part or return NULL when the criteria is not meet.

Example:

```
select
    count(all case when colA = 1 then 1 end)
from
    (
        select 1
        union all
        select 2
    ) as t(colA)
```

```
select
    count(case when colA = 1 then 1 else 0 end)
from
    (
        select 1
        union all
        select 2
        union all
        select null
    ) as t(colA)
```

The first will return 1 and the second will return 3.

AMB

"DC Gringo" wrote:

```
> I getting an error: "Server: Msg 195, Level 15, State 10, Line 14 'Count' is
> not a recognized function name."
>
> How else can I correctly use the COUNT aggregate around this CASE statement:
>
>
>
> SELECT distinct clnGUID = ",
> Community = ",
> Impact = ",
> Round(Avg(PopulationKeyInfo),1) as PopulationKeyInfo,
> Avg(RecentVictims) as RecentVictims,
> Avg(NonRecentVictims) as NonRecentVictims,
> Avg(SHACount) as SHACount,
> MinDistance = ",
> Count(CASE WHEN
> MineRiskEd = '<STRONG>Yes</STRONG>'
> THEN 1
> Else 0
> End
> As MineRiskEd),
>
> VictimAssist = ",
> MarkingClearing = ",
> clnSubDistrictGUID = ",
> clnDistrictGUID = ",
> MineClearance = "
>
> FROM vwCommunities
> WHERE EXISTS (
> SELECT *
> FROM vwCommunities v
> WHERE ( v.Impact IN ('High'))
> AND ( v.PopulationKeyInfo >= 3000 )
> AND clnGUID = vwCommunities.clnGUID)
>
>
> --
> _____
> DC G
>
>
>
```