

1) create view realted to customer\_source for marketing

```
CREATE VIEW view_customer_source AS
SELECT top 1000 cs.source_name,
       count(distinct customer_id) as 'customer_count',
       100*cast(count(distinct customer_id) as decimal)/(select cast(count(*) as decimal) from customerinfo) as 'Percentage'
FROM customerinfo ci
inner join CustomerSource cs
on ci.customer_source_id = cs.customer_source_id
group by cs.source_name
order by count(distinct customer_id) desc;

select * from view_customer_source
```

Results 1 X

select \* from view\_customer\_source Enter a SQL expression to filter results (use Ctrl+Space)

	ABC source_name	123 customer_count	123 Percentage
1	Real estate agents	7	17.5
2	Financial planners	5	12.5
3	Instagram	4	10
4	Mortgage brokers	4	10
5	Twitter	3	7.5
6	Accountants	3	7.5
7	Business seminars	2	5
8	Charity events	2	5
9	Company Website	2	5
10	Email	2	5
11	In-person	2	5
12	Live chat	1	2.5
13	Local Event	1	2.5
14	Facebook	1	2.5
15	TV	1	2.5

Real estate agents

```
--2) create view for avg replacement price
CREATE VIEW view_avg_price_by_year_condition as
select build_year,
       case when [1] is null then '' else cast([1] as varchar(15)) end as '1',
       case when [2] is null then '' else cast([2] as varchar(15)) end as '2',
       case when [3] is null then '' else cast([3] as varchar(15)) end as '3',
       case when [4] is null then '' else cast([4] as varchar(15)) end as '4',
       case when [5] is null then '' else cast([5] as varchar(15)) end as '5'
from (select build_year, condition_level, replacement_cost
      from HouseInfo) as sourceTable
pivot
(
  avg(replacement_cost) for condition_level
  in ([1],[2],[3],[4],[5]) ) as pivottable

select * from view_avg_price_by_year_condition
```

Results 1 X

select \* from view\_avg\_price\_by\_year | Enter a SQL expression to filter results (use Ctrl+Space)

	123 build_year	ABC 1	ABC 2	ABC 3	ABC 4	ABC 5
1	1,996	12350.00	5842.00	4670.00	1200.00	
2	1,998	9876.00	2360.00	3789.00		1000.00
3	1,999		9000.00			
4	2,001	18880.00		6210.00	2535.50	1508.00
5	2,004	7600.00	5320.00		750.00	
6	2,007	3250.00		3950.00		
7	2,008	8400.00		5489.00	3835.00	
8	2,010	4340.00				800.00