



Using the Mini-Dimension



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Using the VLC Dimensional Model

Using the mini-dimension

```
select gender, sum(sum_sales)
from   mdim_cst_demog demog,
       fact_sales sales
where  sales.cst_demog_key =
       demog.cst_demog_key
and    gender = 'Male'
group by gender
```

Sales by Gender

Gender	Invoice \$
Male	\$1,250,000

- Retrieve large number of rows for each index value
- Constrain small table → join to big table

Using the 'extension' dimension

```
select state, sum(sum_sales)
from   dim_cst_extend extend,
       fct_sales sales
where  sales.cst_extend_key =
       extend.cst_extend_key
and    state in ('CA', 'FL')
group by state
```

Sales by State

State	Invoice \$
CA	\$1,500,000
FL	\$750,000

- Retrieve small number of rows for each index value
- Constrain big table → join to bigger table