

# AVG

by Sudheer Sharma - Saturday, November 29, 2008

<http://dwhnotes.com/data-warehousing/avg>

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## The AVG() Function

The AVG() function returns the average value of a numeric column.

### SQL AVG() Syntax

```
SELECT AVG(column_name) FROM table_name
```

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## SQL AVG() Example

We have the following “Orders” table:

O_Id	OrderDate	OrderPrice	Customer
1	2008/11/12	1000	Hansen
2	2008/10/23	1600	Nilsen
3	2008/09/02	700	Hansen
4	2008/09/03	300	Hansen
5	2008/08/30	2000	Jensen
6	2008/10/04	100	Nilsen

Now we want to find the average value of the “OrderPrice” fields.

We use the following SQL statement:

```
SELECT AVG(OrderPrice) AS OrderAverage FROM Orders
```

The result-set will look like this:

OrderAverage
950

Now we want to find the customers that have an OrderPrice value higher than the average OrderPrice value.

We use the following SQL statement:

```
SELECT Customer FROM Orders  
WHERE OrderPrice > (SELECT AVG(OrderPrice) FROM Orders)
```

The result-set will look like this:

Customer
Hansen
Nilsen
Jensen

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