

SQL Examples from Mike Segura

Sub GetALLCarriers()

```
Dim ALN As String    'CARRIER
```

```
Dim conn As New Connection
```

```
Dim rec As New Recordset
```

```
Dim comm As New Command
```

```
Dim ws As Worksheet
```

```
Dim YR As Integer    'year value for query
```

```
YR = Worksheets("DOT DATA").Cells(4, 2).Value
```

```
'-----
```

```
Set ws = ThisWorkbook.Worksheets("DOT Data")
```

```
conn.Open "Provider=microsoft.jet.oledb.4.0;" + _
```

```
"Data Source=" + ThisWorkbook.Path + "\DOT Statistics Database.mdb;"
```

```
Set comm.ActiveConnection = conn
```

```
Worksheets("DOT DATA").Activate
```

```
Range("A10:M29,O10:R29,T10:T29").Select
```

```
Selection.ClearContents
```

```
Range("A32:M52,O32:R52,T32:T52").Select
```

```
Selection.ClearContents
```

```
Range("A55:M75,O55:R75,T55:T75").Select
```

```
Selection.ClearContents
```

```
Range("A78:M97,O78:R97,T78:T97").Select
```

```
Selection.ClearContents
```

```
Range("A7").Select
```

'-----

'query CARRIERS

comm.CommandText = "SELECT DISTINCT Carrier " & _

"FROM DOT " & _

"WHERE (((Year(DATE))= " & YR & ")) " & _

"GROUP BY CARRIER " & _

"ORDER BY CARRIER "

rec.Open comm

ws.[ae10].CopyFromRecordset rec

rec.Close

conn.Close

End Sub

Sub DOT_A14()

' This will import the DOT A14 for Month, QTR, YTD.

' [Mike Segura]

Dim X, Y, Z As Integer

Dim ALN As String 'CARRIER

Dim conn As New Connection

Dim rec As New Recordset

Dim comm As New Command

Dim ws As Worksheet

Dim f As Field

Dim i As Long

Dim YR As Integer 'year value for query

YR = Worksheets("DOT DATA").Cells(4, 2).Value

Worksheets("DOT DATA").Activate

Range("A10:M29,O10:R29,T10:T29").Select

Selection.ClearContents

Range("A1").Select

Set ws = ThisWorkbook.Worksheets("DOT Data")

conn.Open "Provider=microsoft.jet.oledb.4.0;" + _

"Data Source=" + ThisWorkbook.Path + "\DOT Statistics Database.mdb;"

Set comm.ActiveConnection = conn

'-----

'query CARRIERS

comm.CommandText = "SELECT DISTINCT Carrier " & _

"FROM DOT " & _

```
"WHERE (((Year(DATE))= " & YR & ")) " & _
```

```
"GROUP BY CARRIER " & _
```

```
"ORDER BY CARRIER "
```

```
rec.Open comm
```

```
ws.[a10].CopyFromRecordset rec
```

```
rec.Close
```

```
Worksheets("DOT DATA").Cells(29, 1).Value = "AVERAGE"
```

```
'-----
```

```
'query A14 by month
```

```
X = 10
```

```
Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""
```

```
ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)
```

```
For Y = 2 To 13
```

```
comm.CommandText = "SELECT A14 " & _
```

```
"FROM DOT " & _
```

```
"WHERE ((CARRIER)= " & ALN & ") " & _
```

```
"and (((Year(DATE))= " & YR & ")) " & _
```

```
"and (((month(DATE))= " & Y - 1 & ")) "
```

```
rec.Open comm
```

```
If rec.BOF = True And rec.EOF = True Then GoTo 10
```

```
'If rec.RecordCount = 0 Then GoTo 10
```

```
Worksheets("DOT DATA").Cells(X, Y).Value = rec!A14
```

```
10
```

```
rec.Close
```

```
Next Y
```

```
X = X + 1
```

Loop

'-----

'query A14 by QTR

X = 10

Z = 0

Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""

 ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)

 For Y = 15 To 18

 comm.CommandText = "SELECT Sum(A14*SchFlts)/Sum(SchFlts) as Q " & _

 "FROM DOT " & _

 "WHERE ((DOT.CARRIER)= " & ALN & ") " & _

 "and (((Year(DOT.DATE))= " & YR & ")) " & _

 "and (((month(DATE))= " & Y - 14 + Z & " " & _

 "or (month(DATE))= " & Y - 13 + Z & " " & _

 "or (month(DATE))= " & Y - 12 + Z & " " & _

 rec.Open comm

 'rec.RecordCount

 Worksheets("DOT DATA").Cells(X, Y).Value = rec!q

 rec.Close

 Z = Z + 2

Next Y

X = X + 1

Z = 0

Loop

'-----

'query A14 by YTD

X = 10

Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""

ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)

comm.CommandText = "SELECT Sum(A14*SchFlts)/Sum(SchFlts) as Q " & _

"FROM DOT " & _

"WHERE ((DOT.CARRIER)= " & ALN & ") " & _

"and (((Year(DOT.DATE))= " & YR & ")) "

rec.Open comm

Worksheets("DOT DATA").Cells(X, 20).Value = rec!q

rec.Close

X = X + 1

Loop

'-----

'query A14 Monthly Average for all Carriers

For Y = 2 To 13

comm.CommandText = "SELECT Sum(A14*SchFlts)/Sum(SchFlts) as Q " & _

"FROM DOT " & _

"WHERE (((Year(DATE))= " & YR & ")) " & _

"and (((month(DATE))= " & Y - 1 & ")) "

rec.Open comm

If rec.BOF = True And rec.EOF = True Then GoTo 20

'If rec.RecordCount = 0 Then GoTo 10

Worksheets("DOT DATA").Cells(29, Y).Value = rec!q

20

rec.Close

Next Y

'-----

'query A14 QTR Average for all carriers.

Z = 0

For Y = 15 To 18

comm.CommandText = "SELECT Sum(A14*SchFlts)/Sum(SchFlts) as Q " & _

"FROM DOT " & _

"WHERE (((Year(DOT.DATE))= " & YR & ")) " & _

"and (((month(DATE))= " & Y - 14 + Z & " " & _

"or (month(DATE))= " & Y - 13 + Z & " " & _

"or (month(DATE))= " & Y - 12 + Z & " " & _

rec.Open comm

Worksheets("DOT DATA").Cells(29, Y).Value = rec!q

rec.Close

Z = Z + 2

Next Y

'-----

'query A14 YTD Average for all carriers.

```
comm.CommandText = "SELECT Sum(A14*SchFlts)/Sum(SchFlts) as Q " & _  
"FROM DOT " & _  
"WHERE (((Year(DOT.DATE))= " & YR & ")) "
```

```
rec.Open comm  
Worksheets("DOT DATA").Cells(29, 20).Value = rec!q  
rec.Close
```

```
conn.Close
```

```
End Sub
```

```
Sub DOT_CompFactor()  
' This will import the Completion Factor for Month, QTR, YTD.  
' [Mike Segura]
```

```
Dim X, Y, Z As Integer  
Dim ALN As String    'CARRIER  
Dim conn As New Connection  
Dim rec As New Recordset  
Dim comm As New Command  
Dim ws As Worksheet  
Dim f As Field  
Dim i As Long  
Dim YR As Integer    'year value for query  
YR = Worksheets("DOT DATA").Cells(4, 2).Value
```

```
Worksheets("DOT DATA").Activate  
Range("A32:M52,O32:R52,T32:T52").Select  
Selection.ClearContents
```



```
Range("A31").Select
```

```
Set ws = ThisWorkbook.Worksheets("DOT Data")
conn.Open "Provider=microsoft.jet.oledb.4.0;" + _
    "Data Source=" + ThisWorkbook.Path + "\DOT Statistics Database.mdb;"
Set comm.ActiveConnection = conn

'-----

'query CARRIERS
comm.CommandText = "SELECT DISTINCT Carrier " & _
    "FROM DOT " & _
    "WHERE (((Year(Date))= " & YR & ")) " & _
    "GROUP BY CARRIER " & _
    "ORDER BY CARRIER "

rec.Open comm
ws.[a32].CopyFromRecordset rec
rec.Close
```

```
Worksheets("DOT DATA").Cells(52, 1).Value = "AVERAGE"

'-----

'query Completion Factor by month
X = 32
Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""
    ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)
    For Y = 2 To 13
        comm.CommandText = "SELECT 1-(Cancellations/SchFlts) as Q " & _
            "FROM DOT " & _
            "WHERE ((CARRIER)= " & ALN & ") " & _
            "and (((Year(Date))= " & YR & ")) " & _
```

```
"and (((month(DATE))= " & Y - 1 & "))) "
```

```
rec.Open comm
```

```
If rec.BOF = True And rec.EOF = True Then GoTo 10
```

```
Worksheets("DOT DATA").Cells(X, Y).Value = rec!q
```

```
10
```

```
rec.Close
```

```
Next Y
```

```
X = X + 1
```

```
Loop
```

```
'-----
```

```
'query Completion Factor Average by month
```

```
For Y = 2 To 13
```

```
comm.CommandText = "SELECT 1-(Sum(Cancellations)/Sum(SchFlts)) as Q " & _
```

```
"FROM DOT " & _
```

```
"WHERE (((Year(DATE))= " & YR & "))) " & _
```

```
"and (((month(DATE))= " & Y - 1 & "))) "
```

```
rec.Open comm
```

```
If rec.BOF = True And rec.EOF = True Then GoTo 20
```

```
Worksheets("DOT DATA").Cells(52, Y).Value = rec!q
```

```
20
```

```
rec.Close
```

```
Next Y
```

'-----

'query Completion Factor by QTR

X = 32

Z = 0

Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""

ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)

For Y = 15 To 18

comm.CommandText = "SELECT 1-(Sum(Cancellations)/Sum(SchFlts)) as Q " & _

"FROM DOT " & _

"WHERE ((DOT.CARRIER)= " & ALN & ") " & _

"and (((Year(DOT.DATE))= " & YR & ")) " & _

"and (((month(DATE))= " & Y - 14 + Z & " " & _

"or (month(DATE))= " & Y - 13 + Z & " " & _

"or (month(DATE))= " & Y - 12 + Z & ")) " & _

rec.Open comm

'rec.RecordCount

Worksheets("DOT DATA").Cells(X, Y).Value = rec!q

rec.Close

Z = Z + 2

Next Y

X = X + 1

Z = 0

Loop

'-----

'query Completion Factor QTR Average

Z = 0

For Y = 15 To 18

```
comm.CommandText = "SELECT 1-(Sum(Cancellations)/Sum(SchFlts)) as Q " & _  
    "FROM DOT " & _  
    "WHERE (((Year(DOT.DATE))= " & YR & ")) " & _  
    "and (((month(DATE))= " & Y - 14 + Z & " " & _  
    "or (month(DATE))= " & Y - 13 + Z & " " & _  
    "or (month(DATE))= " & Y - 12 + Z & " " & "
```

rec.Open comm

'rec.RecordCount

Worksheets("DOT DATA").Cells(52, Y).Value = rec!q

rec.Close

Z = Z + 2

Next Y

'-----

'query Completion Factor by YTD

X = 32

Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""

ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)

```
comm.CommandText = "SELECT 1-(Sum(Cancellations)/Sum(SchFlts)) as Q " & _  
    "FROM DOT " & _  
    "WHERE ((DOT.CARRIER)= " & ALN & " " & _  
    "and (((Year(DOT.DATE))= " & YR & ")) "
```

rec.Open comm

Worksheets("DOT DATA").Cells(X, 20).Value = rec!q

rec.Close

X = X + 1

Loop

'-----

'query Completion Factor YTD Average

comm.CommandText = "SELECT 1-(Sum(Cancellations)/Sum(SchFlts)) as Q " & _

"FROM DOT " & _

"WHERE (((Year(DOT.DATE))= " & YR & ")) "

rec.Open comm

Worksheets("DOT DATA").Cells(52, 20).Value = rec!q

rec.Close

conn.Close

End Sub

Sub DOT_ConsComplaints()

' This will import the Consumer Complaints for Month, QTR, YTD.

' [Mike Segura]

Dim X, Y, Z As Integer

Dim ALN As String 'CARRIER

Dim conn As New Connection

Dim rec As New Recordset

Dim comm As New Command

Dim ws As Worksheet

Dim f As Field

Dim i As Long

Dim YR As Integer 'year value for query

YR = Worksheets("DOT DATA").Cells(4, 2).Value

Worksheets("DOT DATA").Activate

Range("A78:M97,O78:R97,T78:T97").Select

Selection.ClearContents

Range("A77").Select

Set ws = ThisWorkbook.Worksheets("DOT Data")

conn.Open "Provider=microsoft.jet.oledb.4.0;" + _

"Data Source=" + ThisWorkbook.Path + "\DOT Statistics Database.mdb;"

Set comm.ActiveConnection = conn

'-----

'query CARRIERS

comm.CommandText = "SELECT DISTINCT Carrier " & _

"FROM DOT " & _

"WHERE (((Year(DATE))= " & YR & ")) " & _

"GROUP BY CARRIER " & _

"ORDER BY CARRIER "

rec.Open comm

ws.[a78].CopyFromRecordset rec

rec.Close

Worksheets("DOT DATA").Cells(97, 1).Value = "AVERAGE"

'-----

'query Consumer Complaints by month

X = 78

' (Complaints/DomPax)*100000

```
Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""
```

```
    ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)
```

```
    For Y = 2 To 13
```

```
        comm.CommandText = "SELECT (Complaints/SyswidePax)*100000 as Q " & _
```

```
            "FROM DOT " & _
```

```
            "WHERE ((CARRIER)= " & ALN & ") " & _
```

```
            "and (((Year(DATE))= " & YR & ") " & _
```

```
            "and (((month(DATE))= " & Y - 1 & ") " & _
```

```
        rec.Open comm
```

```
        If rec.BOF = True And rec.EOF = True Then GoTo 10
```

```
        'If rec.RecordCount = 0 Then GoTo 10
```

```
        Worksheets("DOT DATA").Cells(X, Y).Value = rec!q
```

```
    10
```

```
    rec.Close
```

```
    Next Y
```

```
    X = X + 1
```

```
Loop
```

```
'-----
```

```
'query Consumer Complaints Monthly Average
```

```
For Y = 2 To 13
```

```
    comm.CommandText = "SELECT (sum(Complaints)/sum(SyswidePax))*100000 as Q " & _
```

```
        "FROM DOT " & _
```

```
        "WHERE (((Year(DATE))= " & YR & ") " & _
```

```
        "and (((month(DATE))= " & Y - 1 & ") " & _
```

rec.Open comm

If rec.BOF = True And rec.EOF = True Then GoTo 20

Worksheets("DOT DATA").Cells(97, Y).Value = rec!q

20

rec.Close

Next Y

'-----

'query Consumer Complaints by QTR

X = 78

Z = 0

Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""

ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)

For Y = 15 To 18

comm.CommandText = "SELECT (sum(Complaints)/sum(SyswidePax))*100000 as Q " & _

"FROM DOT " & _

"WHERE ((DOT.CARRIER)= " & ALN & ") " & _

"and (((Year(DOT.DATE))= " & YR & ")) " & _

"and (((month(DATE))= " & Y - 14 + Z & " " & _

"or (month(DATE))= " & Y - 13 + Z & " " & _

"or (month(DATE))= " & Y - 12 + Z & " " & _

rec.Open comm

'rec.RecordCount

Worksheets("DOT DATA").Cells(X, Y).Value = rec!q

rec.Close

Z = Z + 2

Next Y

X = X + 1

Z = 0

Loop

'-----

'query Consumer Complaints Average QTR

Z = 0

For Y = 15 To 18

comm.CommandText = "SELECT (sum(Complaints)/sum(SyswidePax))*100000 as Q " & _

"FROM DOT " & _

"WHERE (((Year(DOT.DATE))= " & YR & ")) " & _

"and (((month(DATE))= " & Y - 14 + Z & " " & _

"or (month(DATE))= " & Y - 13 + Z & " " & _

"or (month(DATE))= " & Y - 12 + Z & " " & _

rec.Open comm

Worksheets("DOT DATA").Cells(97, Y).Value = rec!q

rec.Close

Z = Z + 2

Next Y

'-----

'query Consumer Complaints by YTD

X = 78

Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""

ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)

comm.CommandText = "SELECT (sum(Complaints)/sum(SyswidePax))*100000 as Q " & _

"FROM DOT " & _

```
"WHERE ((DOT.CARRIER)= "" & ALN & "") " & _  
"and (((Year(DOT.DATE))= " & YR & ")) "
```

```
rec.Open comm
```

```
Worksheets("DOT DATA").Cells(X, 20).Value = rec!q
```

```
rec.Close
```

```
X = X + 1
```

```
Loop
```

```
'-----
```

```
'query Consumer Complaints Average YTD
```

```
comm.CommandText = "SELECT (sum(Complaints)/sum(SyswidePax))*100000 as Q " & _
```

```
"FROM DOT " & _
```

```
"WHERE (((Year(DOT.DATE))= " & YR & ")) "
```

```
rec.Open comm
```

```
Worksheets("DOT DATA").Cells(97, 20).Value = rec!q
```

```
rec.Close
```

```
conn.Close
```

```
End Sub
```

```
Sub DOT_MisHandBags()
```

```
' This will import the Mishandled Bags for Month, QTR, YTD.
```

```
' [Mike Segura]
```

```

Dim X, Y, Z As Integer
Dim ALN As String    'CARRIER
Dim conn As New Connection
Dim rec As New Recordset
Dim comm As New Command
Dim ws As Worksheet
Dim f As Field
Dim i As Long
Dim YR As Integer    'year value for query
YR = Worksheets("DOT DATA").Cells(4, 2).Value

```

```

Worksheets("DOT DATA").Activate
Range("A55:M75,O55:R75,T55:T75").Select
Selection.ClearContents
Range("A54").Select

```

```

Set ws = ThisWorkbook.Worksheets("DOT Data")
conn.Open "Provider=microsoft.jet.oledb.4.0;" + _
    "Data Source=" + ThisWorkbook.Path + "\DOT Statistics Database.mdb;"
Set comm.ActiveConnection = conn
'-----
'query CARRIERS
comm.CommandText = "SELECT DISTINCT Carrier " & _
    "FROM DOT " & _
    "WHERE (((Year(DATE))= " & YR & ")) " & _
    "GROUP BY CARRIER " & _
    "ORDER BY CARRIER "
rec.Open comm

```

```
ws.[a55].CopyFromRecordset rec
rec.Close
```

```
Worksheets("DOT DATA").Cells(75, 1).Value = "AVERAGE"
```

```
'-----
```

```
'query Mishandled Bags by month
```

```
X = 55
```

```
Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""
```

```
    ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)
```

```
    For Y = 2 To 13
```

```
        comm.CommandText = "SELECT (LOST_BAGS/DomPax)*1000 as Q " & _
```

```
        "FROM DOT " & _
```

```
        "WHERE ((CARRIER)= " & ALN & ") " & _
```

```
        "and (((Year(DATE))= " & YR & ")) " & _
```

```
        "and (((month(DATE))= " & Y - 1 & ")) "
```

```
    rec.Open comm
```

```
    If rec.BOF = True And rec.EOF = True Then GoTo 10
```

```
    'If rec.RecordCount = 0 Then GoTo 10
```

```
    Worksheets("DOT DATA").Cells(X, Y).Value = rec!q
```

```
10
```

```
rec.Close
```

```
Next Y
```

```
X = X + 1
```

```
Loop
```

```
'-----
```

'query Mishandled Bags by Monthly Average

For Y = 2 To 13

```
comm.CommandText = "SELECT (Sum(LOST_BAGS)/Sum(DomPax))*1000 as Q " & _  
    "FROM DOT " & _  
    "WHERE (((Year(DATE))= " & YR & ")) " & _  
    "and (((month(DATE))= " & Y - 1 & ")) "
```

rec.Open comm

If rec.BOF = True And rec.EOF = True Then GoTo 20

Worksheets("DOT DATA").Cells(75, Y).Value = rec!q

20

rec.Close

Next Y

'-----

'query Mishandled Bags by QTR

X = 55

Z = 0

Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""

ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)

For Y = 15 To 18

```
comm.CommandText = "SELECT (Sum(LOST_BAGS)/Sum(DomPax))*1000 as Q " & _  
    "FROM DOT " & _  
    "WHERE ((DOT.CARRIER)= " & ALN & ") " & _  
    "and (((Year(DOT.DATE))= " & YR & ")) " & _  
    "and (((month(DATE))= " & Y - 14 + Z & " " & _  
    "or (month(DATE))= " & Y - 13 + Z & " " & _
```

```
"or (month(DATE))= " & Y - 12 + Z & " ) " "
```

```
rec.Open comm
```

```
'rec.RecordCount
```

```
Worksheets("DOT DATA").Cells(X, Y).Value = rec!q
```

```
rec.Close
```

```
Z = Z + 2
```

```
Next Y
```

```
X = X + 1
```

```
Z = 0
```

```
Loop
```

```
'-----
```

```
'query Mishandled Bags Average QTR
```

```
Z = 0
```

```
For Y = 15 To 18
```

```
comm.CommandText = "SELECT (Sum(LOST_BAGS)/Sum(DomPax))*1000 as Q " & _
```

```
"FROM DOT " & _
```

```
"WHERE (((Year(DOT.DATE))= " & YR & " ) " & _
```

```
"and (((month(DATE))= " & Y - 14 + Z & " " & _
```

```
"or (month(DATE))= " & Y - 13 + Z & " " & _
```

```
"or (month(DATE))= " & Y - 12 + Z & " ) " "
```

```
rec.Open comm
```

```
Worksheets("DOT DATA").Cells(75, Y).Value = rec!q
```

```
rec.Close
```

```
Z = Z + 2
```

```
Next Y
```

'-----

'query Mishandled Bags by YTD

X = 55

Do Until Worksheets("DOT DATA").Cells(X, 1).Value = ""

ALN = VBA.Trim(Worksheets("DOT DATA").Cells(X, 1).Value)

comm.CommandText = "SELECT (Sum(LOST_BAGS)/Sum(DomPax))*1000 as Q " & _

"FROM DOT " & _

"WHERE ((DOT.CARRIER)= '" & ALN & "'") " & _

"and (((Year(DOT.DATE))= " & YR & "))) "

rec.Open comm

Worksheets("DOT DATA").Cells(X, 20).Value = rec!q

rec.Close

X = X + 1

Loop

'-----

'query Mishandled Bags Average YTD

comm.CommandText = "SELECT (Sum(LOST_BAGS)/Sum(DomPax))*1000 as Q " & _

"FROM DOT " & _

"WHERE (((Year(DOT.DATE))= " & YR & "))) "

rec.Open comm

Worksheets("DOT DATA").Cells(75, 20).Value = rec!q

rec.Close

conn.Close

End Sub