

# How to Use the IF NOT Statement in Excel VBA: A Simple Guide

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## RECOMMENDED CITATION

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The syntax for the IF NOT statement in Excel VBA is "IF NOT condition THEN action". It is used to execute a certain action when a certain condition is not met. The condition is placed after the IF NOT statement and the action is placed after the THEN statement.

You can use the following basic syntax to use IF NOT logic in VBA to test if some condition is not met:

### **Sub IfNot()**

#### **Dim i As Integer**

```
For i = 2 To 11
If Not Range("B" & i) = "West" Then
Result = "Not West"
Else
Result = "West"
End If
Range("C" & i) = Result
Next i

End Sub
```

This particular example checks if each cell in the range **B2:B12** is not equal to "West" and then assigns either "Not West" or "West" to each corresponding cell in the range **C2:C12**.

The following example shows how to use this syntax in practice.

## **Example: How to Use IF NOT in VBA**

Suppose we have the following dataset in Excel that shows the team name and division of various basketball teams:

	A	B	C	D	E	F
1	<b>Team</b>	<b>Division</b>	<b>West Division?</b>			
2	A	West				
3	B	East				
4	C	East				
5	D	North				
6	E	West				
7	F	South				
8	G	East				
9	H	West				
10	I	North				
11	J	West				
12						
13						
14						
15						
16						
17						
18						
19						

Suppose we would like to assign a value of "West" or "Not West" to each cell in column C based on whether or not each team belongs to the West division or not.

We can create the following macro to do so:

```
Sub IfNot()
```

```
Dim i As Integer
```

```
For i = 2 To 11
```

```
If Not Range("B" & i) = "West" Then
```

```
Result = "Not West"
```

```
Else
```

```
Result = "West"
```

```
End If
```

```
Range("C" & i) = Result
```

```
Next i
```

```
End Sub
```

When we run this macro, we receive the following output:

	A	B	C	D	E	F
1	<b>Team</b>	<b>Division</b>	<b>West Division?</b>			
2	A	West	West			
3	B	East	Not West			
4	C	East	Not West			
5	D	North	Not West			
6	E	West	West			
7	F	South	Not West			
8	G	East	Not West			
9	H	West	West			
10	I	North	Not West			
11	J	West	West			
12						
13						
14						
15						
16						
17						
18						
19						

The values in column C tell us whether or not each division in column B is equal to "West" or not.

For example:

Team A belongs to the "West" so column C displays "West"

Team B belongs to the "East" so column C displays "Not West"

Team C belongs to the "East" so column C displays "Not West"

Team D belongs to the "North" so column C displays "Not West"

And so on.