

How can I remove duplicate values in VBA?

Authored by
stats writer

June 24, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I remove duplicate values in VBA?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=151030>

Removing duplicate values in VBA is a process of eliminating repeated data points from a dataset in order to streamline and organize the information. This can be achieved by utilizing built-in functions and methods in VBA, such as the RemoveDuplicates method, which allows for the identification and removal of identical values within a specified range. By removing duplicate values, the overall efficiency and accuracy of data manipulation and analysis can be improved. This process is commonly used in VBA programming to ensure clean and accurate data for various applications and tasks.

VBA: Remove Duplicate Values

You can use the following methods to remove duplicate values in VBA:

Method 1: Remove Duplicate Values Based on One Column

Sub RemoveDuplicates()

```
Range("A1:C11").RemoveDuplicates Columns:=1,  
Header:=xlYes  
End Sub
```

This particular example removes duplicate rows in the range A1:C11 based on duplicate values in the first column of the range.

The argument Header:=xlYes specifies that the first row in the range is a header row and should not be considered when looking for duplicates.

Method 2: Remove Duplicate Values Based on Multiple Columns

```
Sub RemoveDuplicates()
```

```
Range("A1:C11").RemoveDuplicates Columns:=Array(1,  
2), Header:=xlYes
```

```
End Sub
```

This particular example removes duplicate rows in the range A1:C11 based on duplicate values in the first two columns of the range.

The following examples show how to use each of these methods in practice with the following dataset in Excel:

	A	B	C	D	E	F
1	Team	Position	Points			
2	A	Guard	22			
3	A	Guard	18			
4	A	Forward	25			
5	A	Forward	11			
6	A	Center	39			
7	B	Guard	34			
8	B	Guard	20			
9	B	Forward	27			
10	C	Guard	14			
11	C	Center	19			
12						
13						
14						
15						
16						
17						
18						

Example 1: Remove Duplicate Values Based on One Column

We can create the following macro to remove rows that have duplicate values in the first column:

```
Sub RemoveDuplicates()
```

```
Range("A1:C11").RemoveDuplicates Columns:=1,
```

```
Header:=xlYes
```

```
End Sub
```

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

	A	B	C	D	E	F
1	Team	Position	Points			
2	A	Guard	22			
3	B	Guard	34			
4	C	Guard	14			
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Notice that each row with a duplicate value in the first column of the dataset has been removed.

Example 2: Remove Duplicate Values Based on Multiple Columns

Sub RemoveDuplicates()

```
Range("A1:C11").RemoveDuplicates Columns:=Array(1,  
2), Header:=xlYes
```

End Sub

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

	A	B	C	D	E	F
1	Team	Position	Points			
2	A	Guard	22			
3	A	Forward	25			
4	A	Center	39			
5	B	Guard	34			
6	B	Forward	27			
7	C	Guard	14			
8	C	Center	19			
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

Notice that each row with duplicate values in the first two columns of the dataset have been removed.

Note: You can find the complete documentation for the `VBA RemoveDuplicates` method .