

CS 105

Week 10

MP1-MP3 Resubmissions

MP6

Lab7+1s

Weekly Reading #8

~~Weekly Reading #8~~

Canceled

Midterm Exam #2

Tuesday, April 15, 2014

7:00pm – 8:30pm

Conflict Signups start Wednesday

Relative vs. Absolute Positions

Sheets

=MATCH()


```
=MATCH(lookup_value,  
      lookup_array,  
      match_type)
```

=MATCH(32, D6:D32, 0)

```
=MATCH(lookup_value,  
        lookup_array,  
        match_type)
```

match_type

- If match_type is 1, MATCH finds the largest value that is less than or equal to lookup_value. Lookup_array must be placed in ascending order: ...-2, -1, 0, 1, 2, ..., A-Z, FALSE, TRUE.

match_type

- If match_type is -1, MATCH finds the smallest value that is greater than or equal to lookup_value. Lookup_array must be placed in descending order: TRUE, FALSE, Z-A, ...2, 1, 0, -1, -2, ..., and so on.

match_type

- If match_type is 0, MATCH finds the first value that is exactly equal to lookup_value. Lookup_array can be in any order.

match_type

- **-1** : Greater than or equal;
descending order
- **0** : Exactly equal to;
any order
- **1** : Less than or equal;
ascending order

=VLOOKUP()


```
=MATCH(lookup_table,  
      table_array,  
      col_index_number,  
      range_lookup)
```

```
=MATCH(lookup_table,  
      table_array,  
      col_index_number,  
      range_lookup)
```

range_lookup

- If **FALSE**, VLOOKUP will only find **an exact match**. In this case, the values in the first column of table_array **do not need to be sorted**. If there are two or more values in the first column of table_array that match the lookup_value, **the first value found is used**. If an exact match is not found, the error value #N/A is returned.

range_lookup

- If **TRUE**, an exact or approximate match is returned. **If an exact match is not found**, the next largest value that is **less than** lookup_value is returned. The values in the first column of table_array **must be placed in ascending sort order**; otherwise, VLOOKUP may not give the correct value.

range_lookup

- **FALSE** : Exactly equal to;
any order
- **TRUE** : Less than or equal;
ascending order

match_type vs. range_lookup

- **-1** : Greater than or equal;
descending order
- **0** : Exactly equal to;
any order
- **1** : Less than or equal;
ascending order
- **FALSE** : Exactly equal to;
any order
- **TRUE** : Less than or equal;
ascending order