

# Hottest Day in a Year

Comma Separated Values

# Weather CSV Data

	A	B	C	D	E	F	G
1	TimeEST	TemperatureF	Dew PointF	Humidity	Sea Level Press	VisibilityMPH	Wind Direction
2	12:51 AM	30.9	25	79	30.36	10	Calm
3	1:51 AM	30.9	25	79	30.37	10	Calm
4	2:51 AM	30.9	26.1	82	30.38	10	Calm
5	3:51 AM	30	26.1	85	30.37	10	Calm
6	4:51 AM	30	27	88	30.37	10	Calm
7	5:51 AM	30.9	26.1	82	30.37	10	Calm
8	6:51 AM	32	25	75	30.38	10	ESE
9	7:51 AM	32	25	75	30.4	10	Calm
10	8:51 AM	34	27	75	30.42	10	South
11	9:51 AM	39.9	24.1	53	30.44	10	Variable
12	10:51 AM	46	24.1	42	30.4	10	Variable
13	11:51 AM	46.9	21	36	30.37	10	ESE
14	12:51 PM	50	21.9	33	30.33	10	South

- CSV data about weather at RDU
  - One file per day, one row per hour
  - Analyze and answer questions

# Max Temperature

	A	B	C	D	E	F	G
1	TimeEST	TemperatureF	Dew PointF	Humidity	Sea Level Press	VisibilityMPH	Wind Direction
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- Question: max temperature?
  - One day: just look? Use MAX() in spreadsheet?
  - Many days?.... Need program!



# Problem + Plan

- Problem: find hottest day in a year
  - Day with highest max temperature
  - Related: day with highest average temperature
    - You try this one!
- Plan to write this program
  - Learn about working with numerical data
  - Start smaller: max temperature on one day
    - Test, be confident in code
  - Build on tested code: max temperature in year