

Online Training: Weather Tools from the Bureau of Meteorology Worksheet

Historical data

- **Link 1: Climate Data Online -**
<http://www.bom.gov.au/climate/data/index.shtml?bookmark=136&zoom=2&lat=-32.0805&lon=135.335&layers=B00000TFFFFFFFFFFFFFFFFFFFFFFFFTTT&dp=IDC10002-d>
 1. From the BOM [home page](#), scroll down to “Our services”
 2. Then in the 2nd column from the left, click on “Climate and Past Weather”
 3. In the (left) column click on “Weather station data”
 - a) Rainfall update viewer
 - b) Text search – choose data type, then type your location
 - c) Map search – choose data type, then click on your location

Question based on Link 1 (for your chosen weather station)

1. What was the monthly rainfall for April 2019, and how does it compare to April 2021 or 2022? Note that not all months may be available, if so choose another nearby location.

Pause for questions

Recent Observations

- **Link 2: State/territory Observations Page**
 1. From the BOM [home page](#), click on your state or territory on the map of Aus.
 2. The middle column is called “Observations”, click on “All observations”
 3. In the left column (Latest Weather) choose either
 - a) Example “SA latest observations”, or
 - b) Example “South Australia observations via clickable map”
 then navigate to the weather station closest to your property

Example: SA all observations: <http://www.bom.gov.au/sa/observations/index.shtml> (note that due to html restrictions, it is not possible to replace “sa” with “nsw”, for example.

Questions based on Link 2 (for your chosen weather station)

1. What was the overnight minimum?
2. When was the last time it rained? If it hasn't rained there in the past 72 hrs, click on “Recent months at xxx” at the top of the Latest Weather Observations page

Poll A (Word Cloud): How much rain have you had so far this month at the station closest to your property/chosen location?

Pause for questions

Nowcasting

Poll B (Word Cloud): Today's forecast is for storms. What tools do you use to check if storms or rain are coming before you step outside?

- **Link 3: Nowcasting Tools**

- a) Radar: <http://www.bom.gov.au/australia/radar/>
- b) Satellite viewer (requires fast internet connection)
<http://satview.bom.gov.au/>
- c) Warnings

- **BOM Weather App**

The radar update lets you “see” 90mins into the future, but with limitations, and enhanced warning notifications.

Questions based on Link 3 –

1. Based on the satellite viewer, by looking at the clouds, where might it be raining, or about to rain?
2. Is the upcoming rainfall likely to be light/heavy, or just passing/persistent?
3. Are there any warnings current for your area?

Poll C: Your usual radar is out, how can I see if it's going to rain?

Pause for questions

Forecasting: next 7 days

Poll D: Your usual radar is out, how can I see if it's going to rain?

- **Link 4: MetEye - <http://www.bom.gov.au/australia/meteye/>**

1. From the BOM [home page](#), click on "Meteye" near the top-middle
2. On the MetEye page, navigate both the weather element type on the left, and then the day and time of the week
3. Type in your postcode, or zoom in to your location

Questions based on Link 4 – for your location

- When is the next rain due, and the chance of rain?
Select Rainfall forecasts, then "Chance of any rain"
- Where in your state/territory will it be coldest tomorrow morning?
Either use the 3-hr air temperature, or overnight minimum options.
- Any significant weather for your location this coming week to be aware of?
Select "Storms, snow, fog, frost" and then "All significant weather"

Futurecasting: beyond 7 days

- **Link 5: Seasonal and long-range forecasts**
 1. From the BOM [home page](#), scroll down to "Our services" and select "Climate and Past Weather"
 2. Then, on the right, click through to "Long Range Forecasts"
<http://www.bom.gov.au/climate/outlooks/#/rainfall/summary>
 3. Select Rainfall or Temperature on the left column to explore

Questions based on Link 5 – for your location

1. What's the chance of exceeding median rainfall from June to August? "Chance of above median"
2. What's the chance of at least 15mm at your property next week? "Chance of at least", then select 15mm from the drop-down list
3. Historically, what's the past accuracy for median rainfall forecasts for May to July? "Past accuracy", then select "Median"

Pause for questions

Contact

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