

Precipitation Analysis for Asheville, NC

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Wrangling Asheville Precipitation Data

```
#formatting date as date
Asheville_precip_raw$LocalDateTime <- as.Date(Asheville_precip_raw$LocalDateTime, format = "%m/%d/%Y")

#checking date class
class(Asheville_precip_raw$LocalDateTime)

## [1] "Date"

Ash_Precip_processed <-
  Asheville_precip_raw %>%
  select(LocalDateTime, DataValue)%>%
  mutate(Month = month(LocalDateTime),
         Year = year(LocalDateTime))%>%
  rename(Date = LocalDateTime, Precip.mm = DataValue)

ggplot(Ash_Precip_processed, aes(x = Date, y = Precip.mm))+
  geom_line()+
  ylim(0,120)+
  geom_smooth(method = lm)+
  labs(Title = "Daily Precipitation (mm) over time",
       subtitle = "Asheville, NC",
       xlab = "Daily Precipitation (mm)")

## `geom_smooth()` using formula 'y ~ x'
## Warning: Removed 3 rows containing non-finite values (stat_smooth).
```

