South Korea's Climate Changes during 1970-2020

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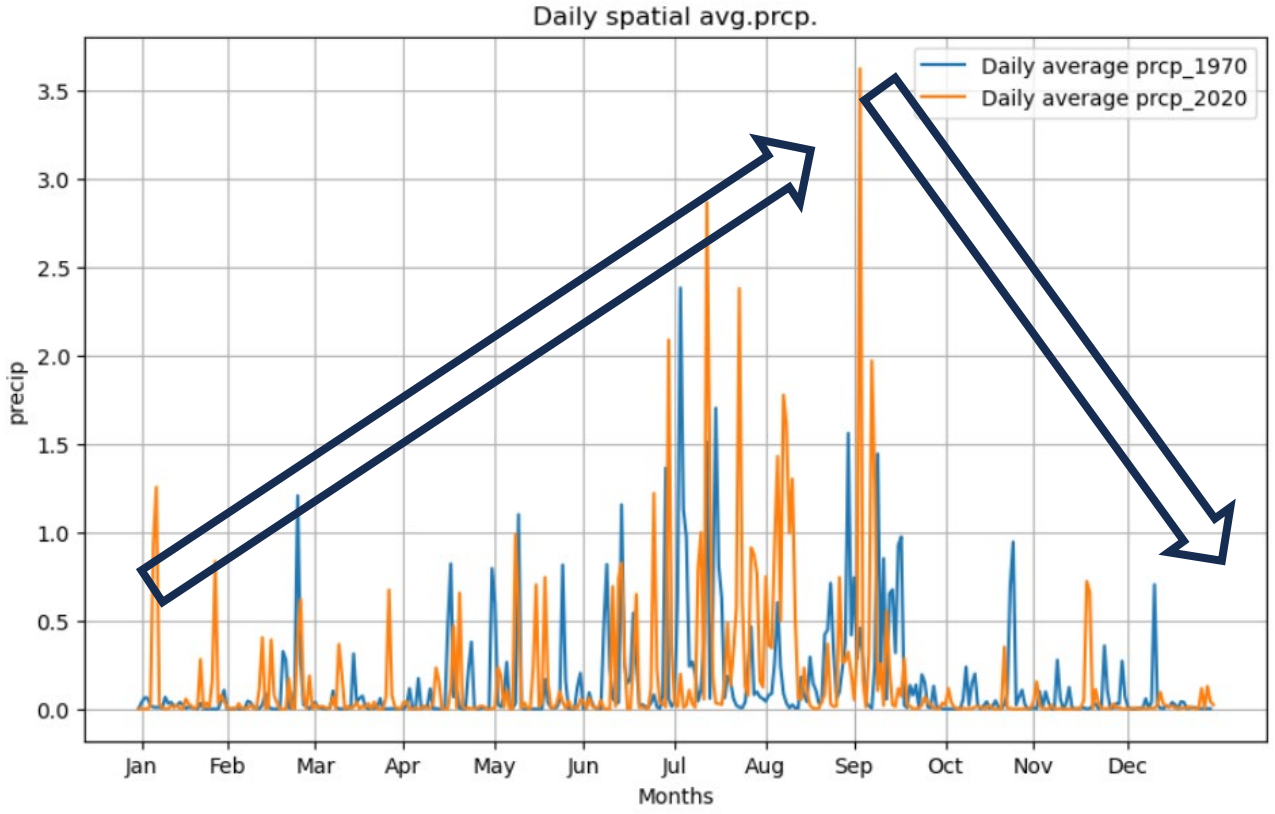
Compare climate 1970 vs 2020

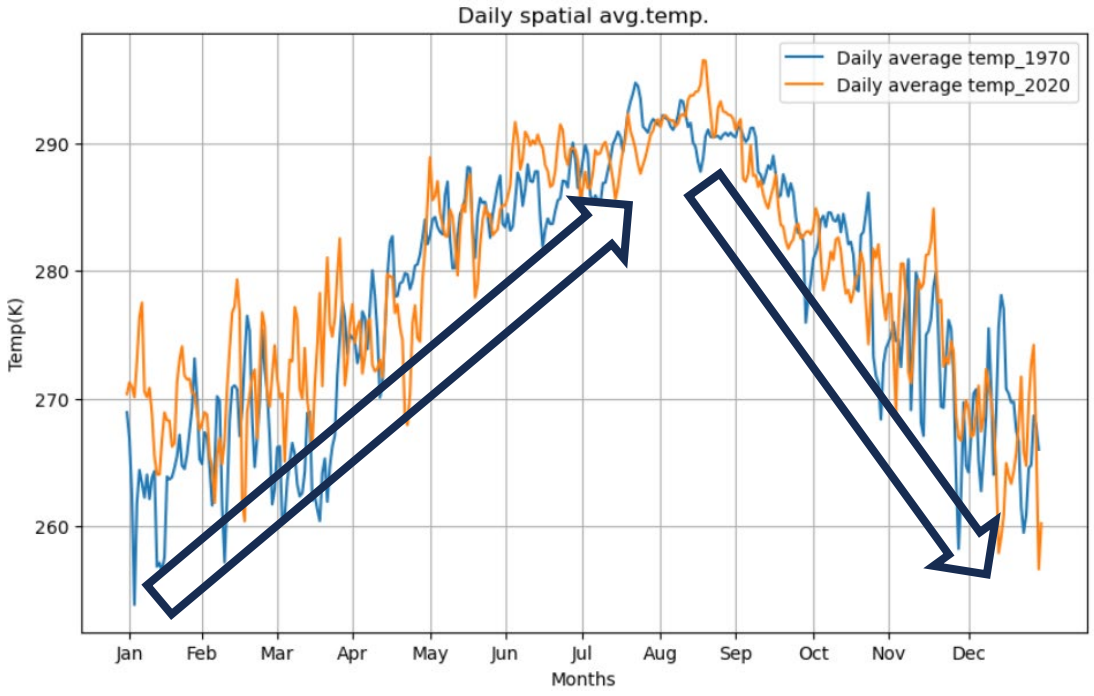
1. precipitation



1. Increase in Summer
2. Decrease in Winter
3. Avg precipitation

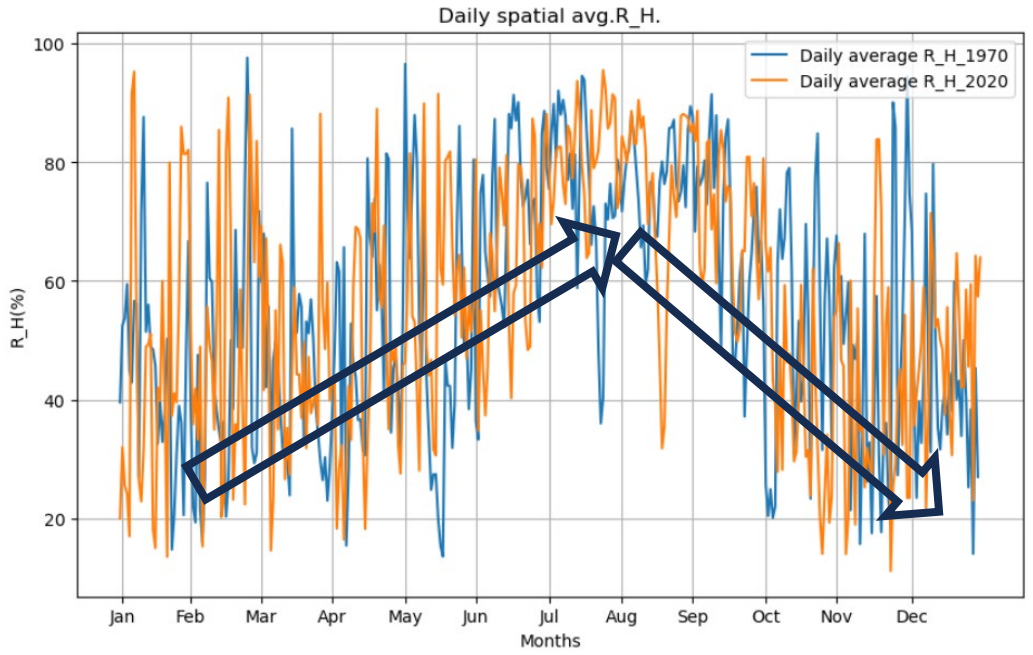
   2020 > 1970

2.Temperature



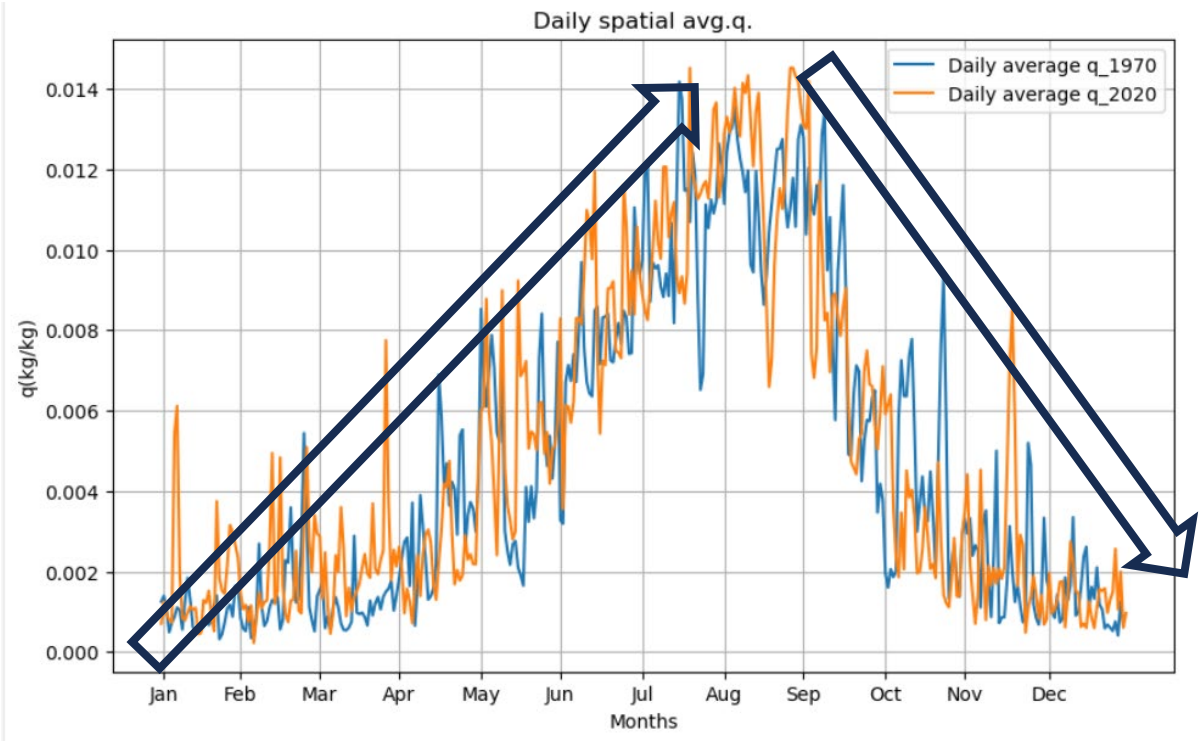
1. Increase in Summer
2. Decrease in Winter
3. Maximum in Aug to Sep

3.R_H



1. Slightly increase in Summer
2. A bit of decrease in Winter
3. Vibrate near total average

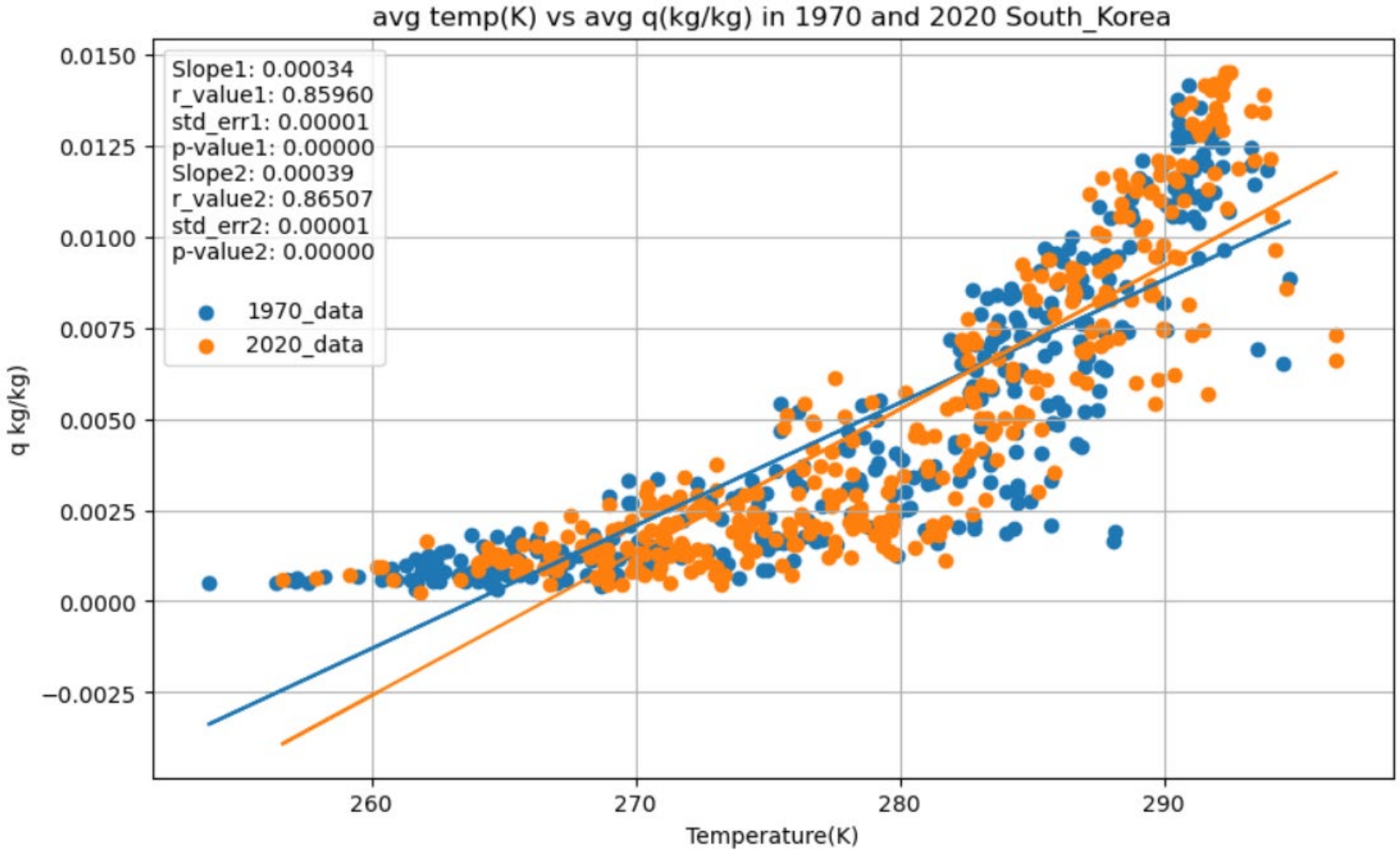
4. q



1. Increase in Summer
2. Decrease in Winter
3. Maximum in Aug to Sep

(Similar with temp)

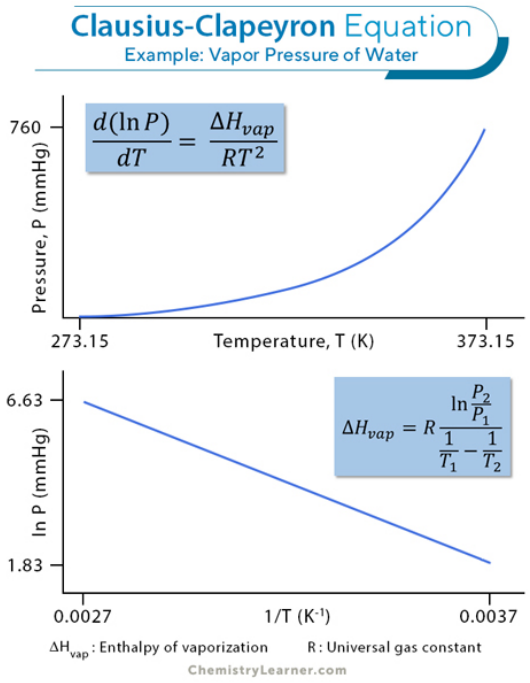
Some correlation between temp & q

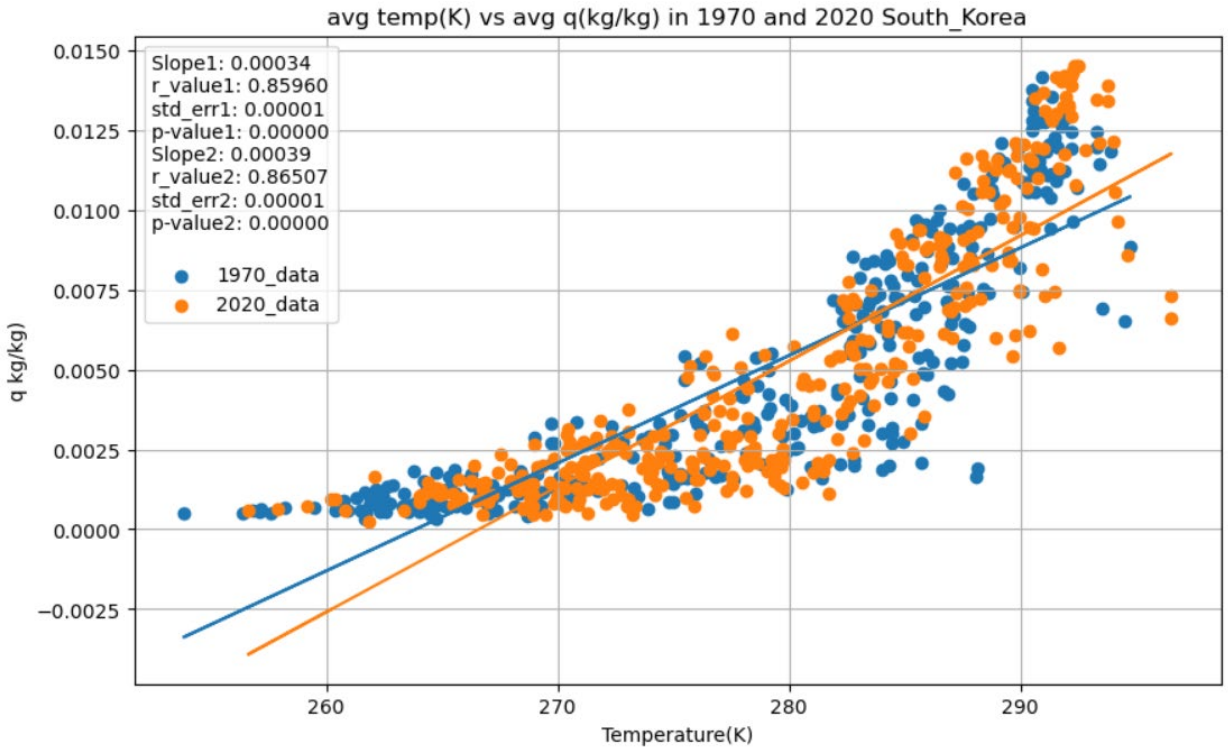


Maybe

Linear or exponential

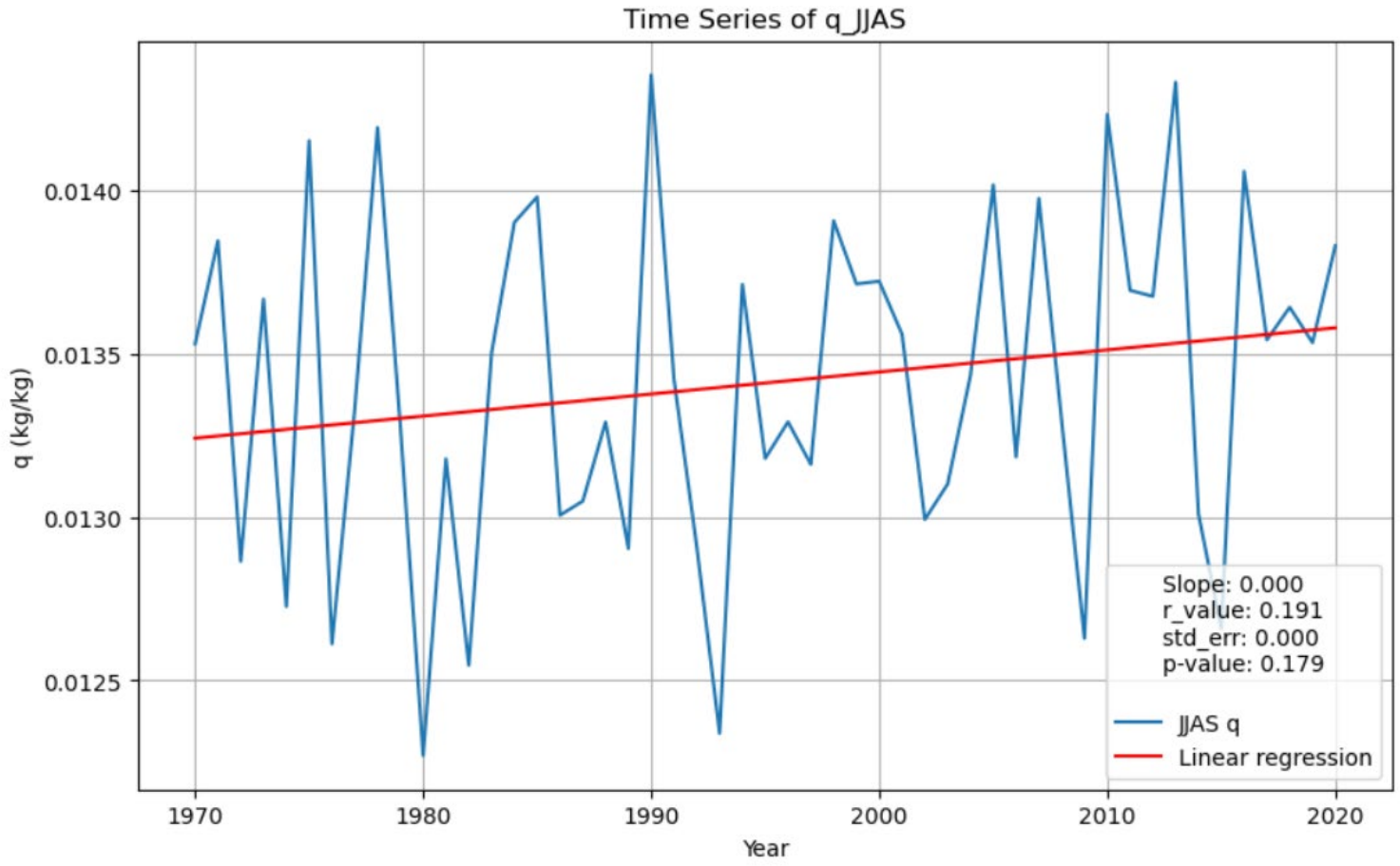
Some correlation between temp & q





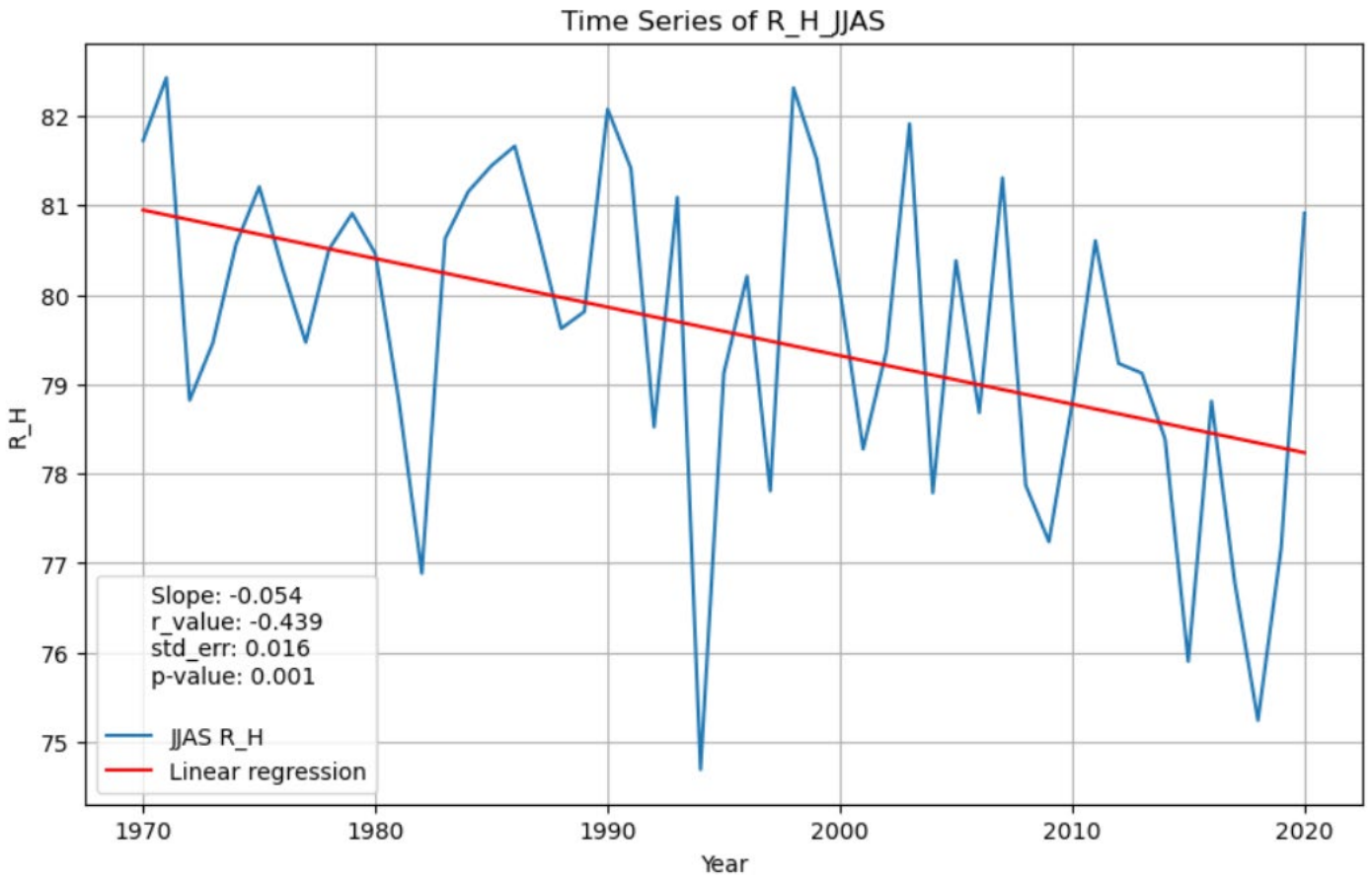
Time series 1970 to 2020

1. Time series for q



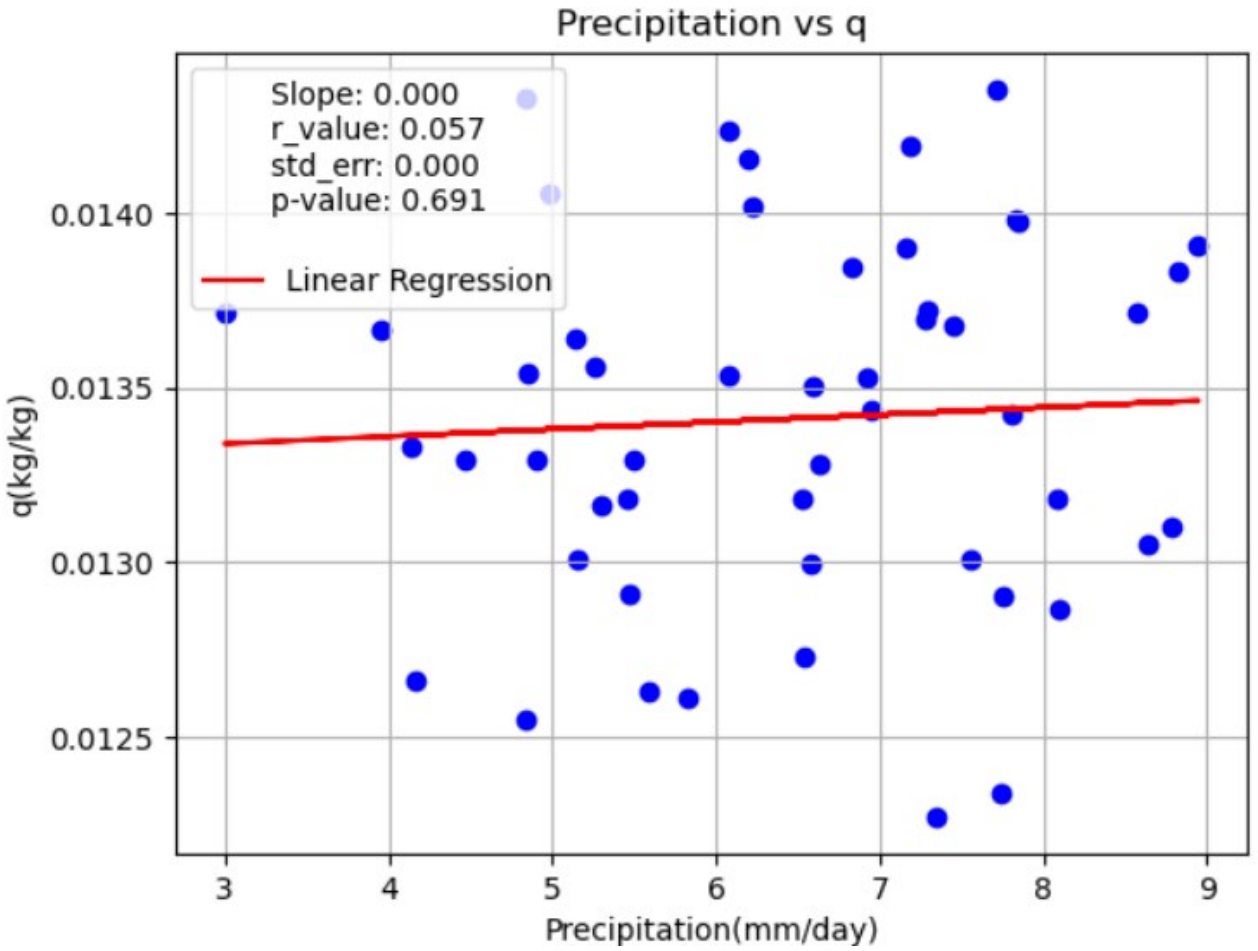
Slightly decrease in Specific Humidity

2. Time series for R_H



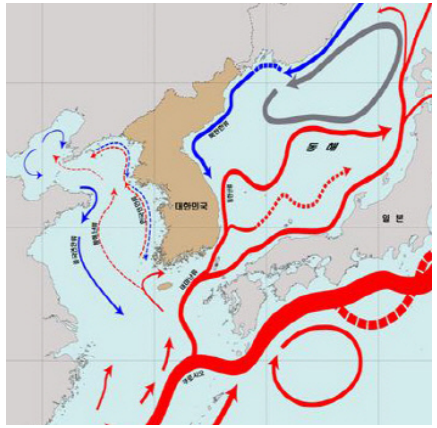
Slightly decrease in Relative Humidity

3. Precipitation vs q (scatter)

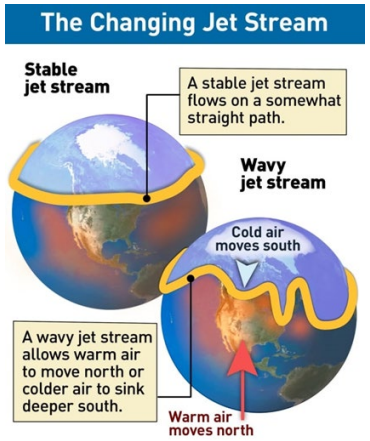


Little Correlation in q and Precipitation

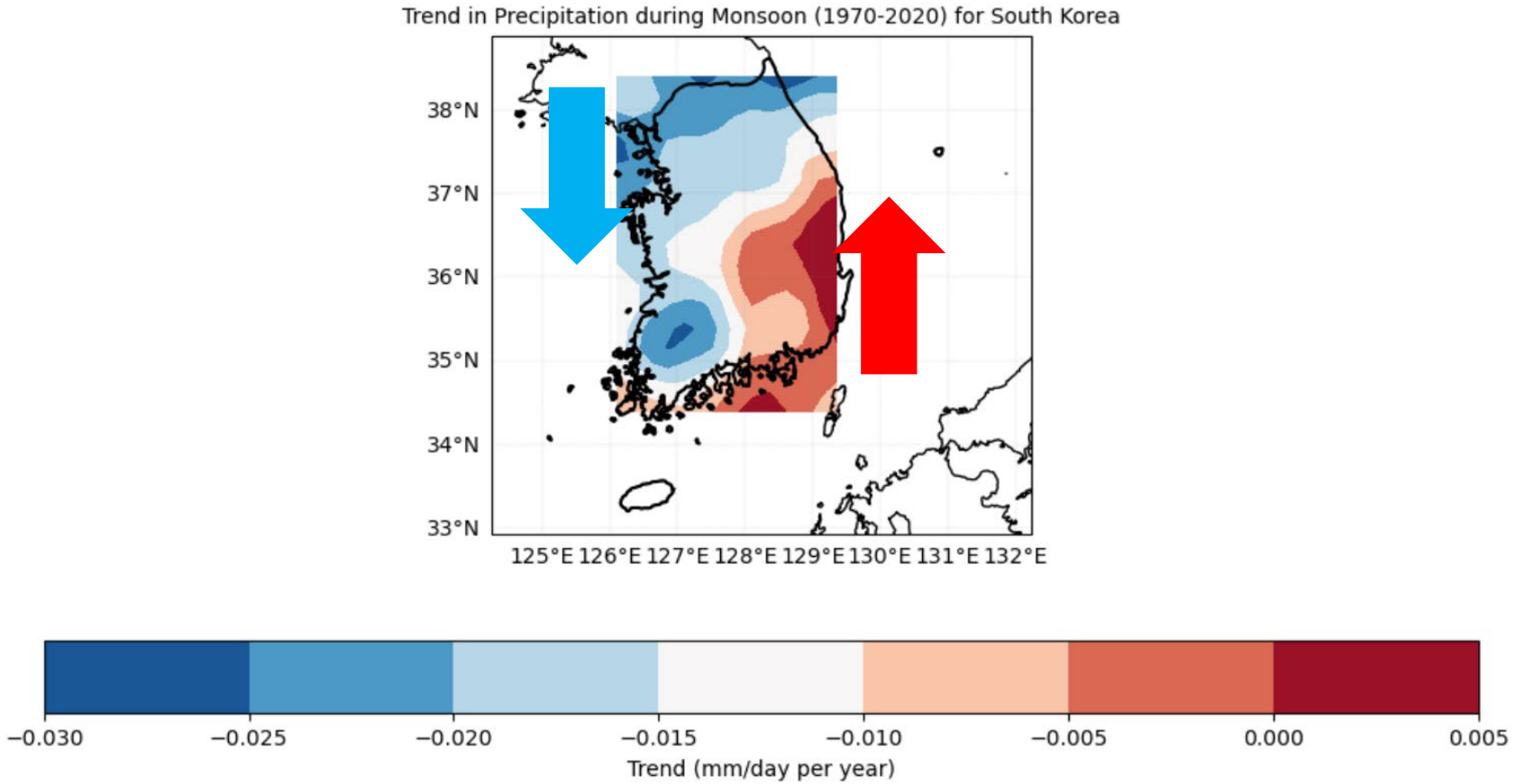
4. Spatial data in precipitation



Ocean current

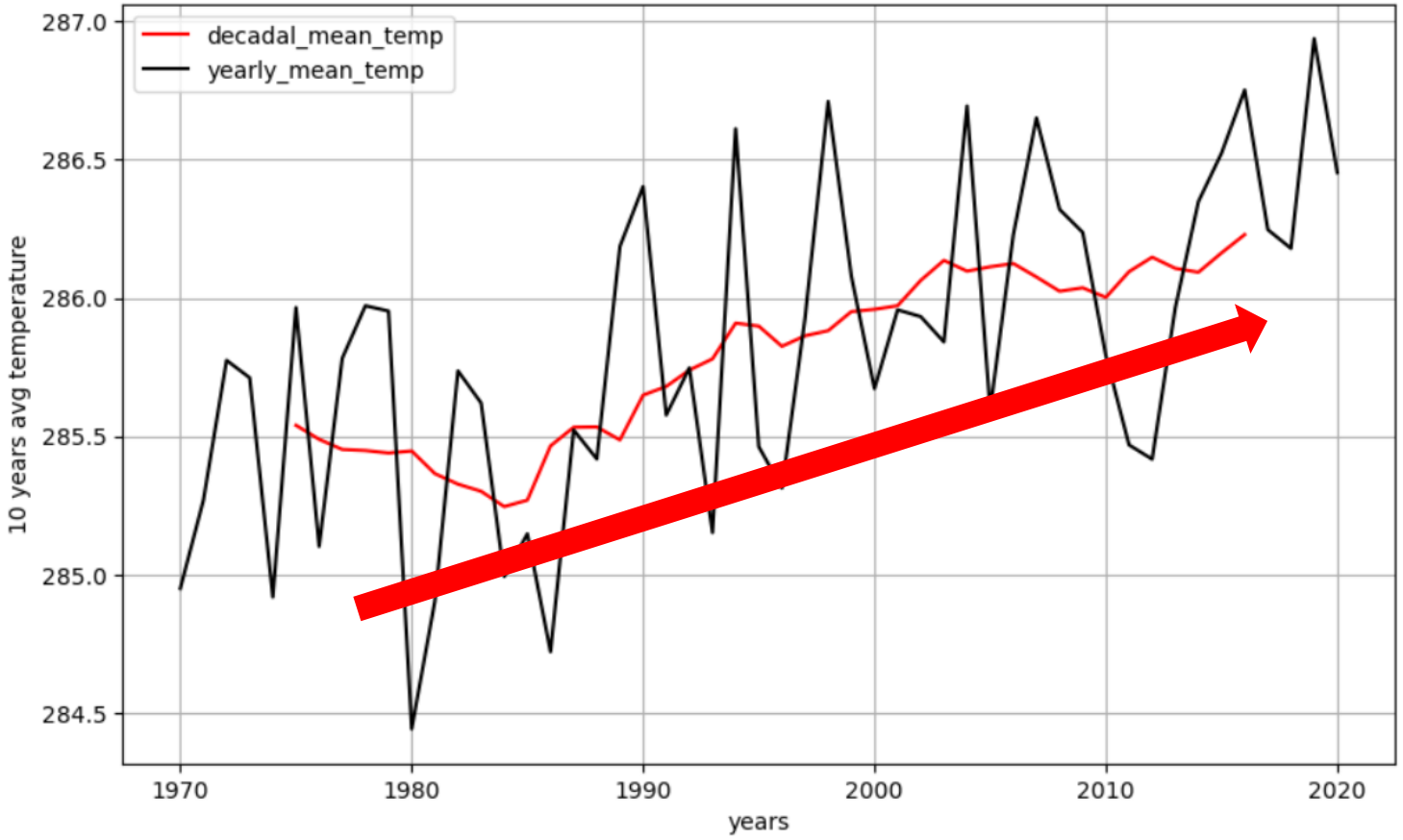


Wind current



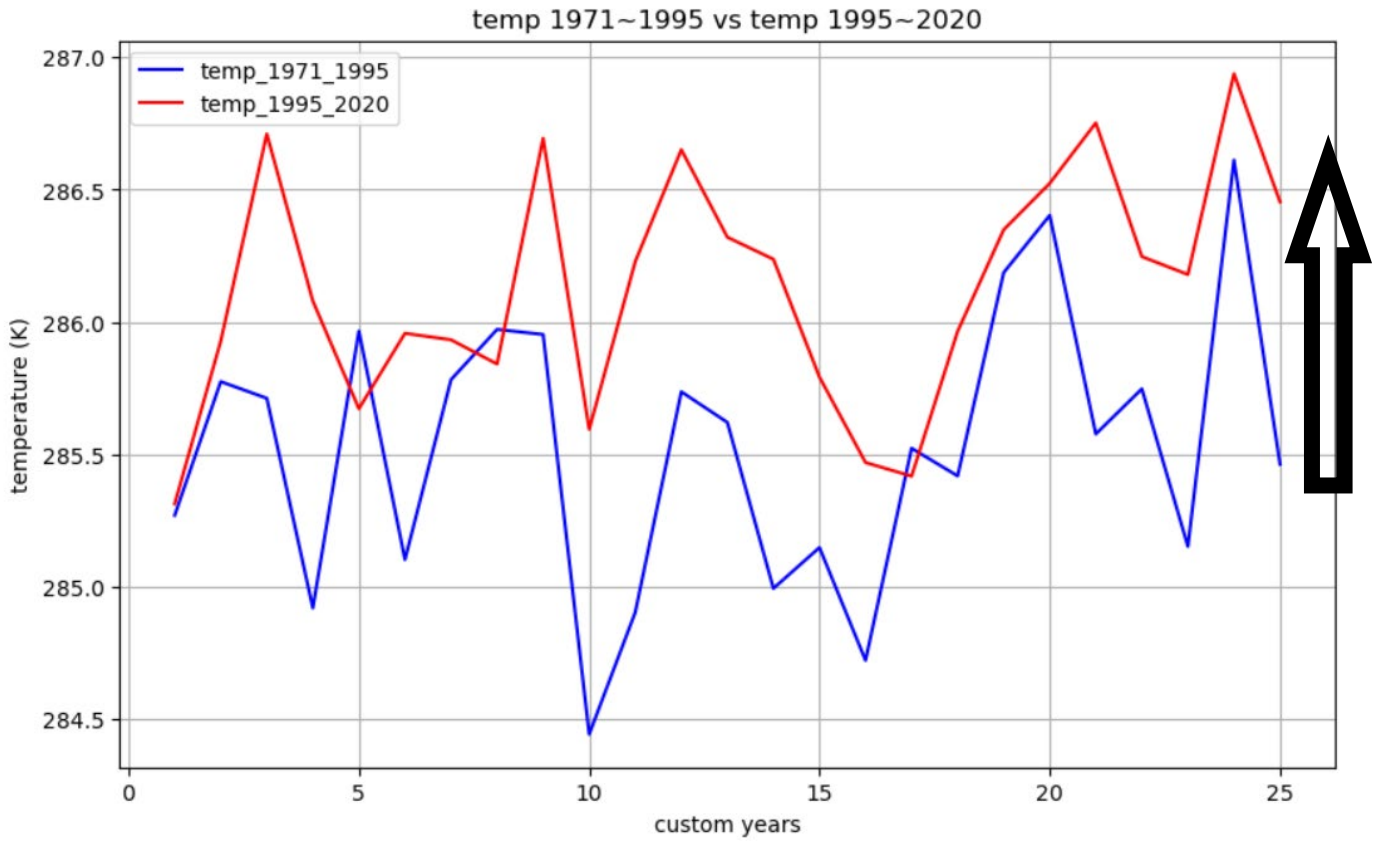
10 years moving avg 1970 to 2020

1. Temperature moving avg



Temperature Higher

2. Compare 1971-1995 & 1995-2020



Temperature Higher