



## Forecasting of annual precipitation in Different Regions

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(Case study: Golestan Province in Iran)

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### Abstract

Dry farming is some of agricultural productions in Golestan province. Increasing of dry and irrigated lands to be connected with rainfall. Every country that used the precipitations for dry farming that country important in economic and agriculture. Then modeling for estimating of annual rainfall is importance. This research used data of daily rainfall (34 years) of 8 stations in Golestan region. Climate this 8 stations were cold semi dry to temperate(mild). Results shown that in equation between  $t_{167.5}$  (date of rain value = 167.5 mm from the first of autumn in mild climate) and  $t_{107.5}$  (cold dry climate) with annual rainfall was good. In 2 climates if  $t$  is long, annual rainfall decreases. Some another parameters were not good for these equations.

Keyword: Estimation, annual Rainfall, Geography Characteristics, Golestan