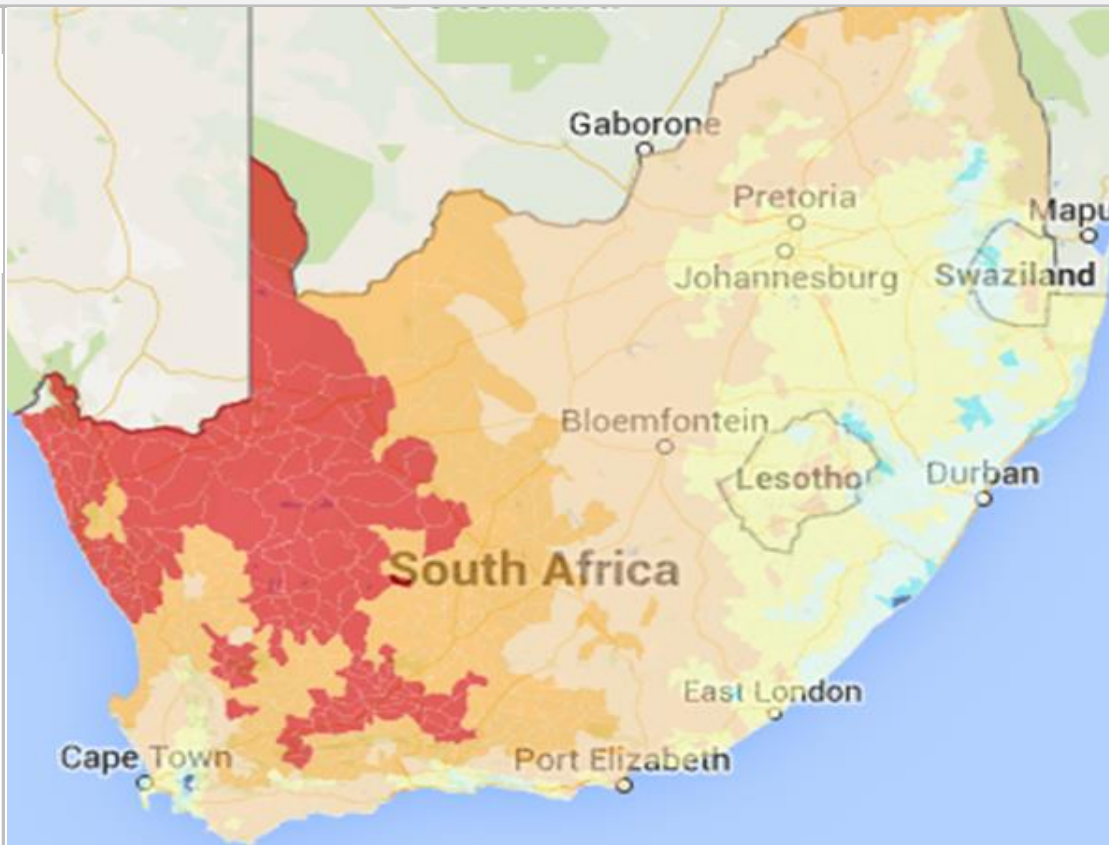


Coefficient of Variation of Monthly Rainfall

Legend

Variation in Monthly Rainfall

- 0 - 100
- 100 - 200
- 200 - 400
- 400 - 600
- 600 - 800
- 800 - 1000
- 1000 - 1200
- 1200 - 3000



Author(s): Derived from Schulze, R.E and Lych, S.D (2007)

Date: 2007

Meta-Data

Title	Coefficient of Variation of Monthly Rainfall
File Name	rfl_qc.shp
Author(s)	Derived from Schulze, R.E and Lych, S.D (2007)
Publication Date	2007
Citation	Schulze, R.E. and Lynch, S.D. 2007. Monthly Rainfall and its Inter-Annual Variability. In: Schulze, R.E. (Ed). 2007. South African Atlas of Climatology and Agrohydrology. Water Research Commission, Pretoria, RSA, WRC Report 1489/1/06, Section 6.6.
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Abstract	<p>* The dataset shows distribution patterns of median monthly rainfall and the inter-annual variability of monthly rainfalls over South Africa.</p> <p>* Data was derived from Schulze, R.E and Lych, S.D (2007).</p> <p>* Coefficients of variation of monthly rainfalls in the summer months (November - February) range from < 60% in the east to > 200% in the west testimony to a general inverse relationship existing between rainfall amount and its variability, as well as illustrating that CVs of monthly rainfall totals are 3 - 4 times as high as those of annual totals.</p> <p>* Patterns of the inter-annual CV of winter monthly rainfall totals show the northern areas of South Africa to experience considerable variability (> 200%), rather than displaying the east-west gradient as is the case in summer months. This decreases with latitude, but the southwest winter rainfall regions still have CVs in excess of 50% in the winter months.</p>
Keywords	climate variability, coefficient of variation, monthly rainfall, precipitation
Caveats	http://bea.dirisa.org/resources/metadata-sheets/WP00_00_RAIN_VAR.pdf
Web Meta-Data	
Web Resource	http://app01.saeon.ac.za:8082/geoserver/BEEH_shp/wms?service=WMS&version=1.1.0&request=GetMap&layers=BEEH_shp:rfl_gc.shp&styles=&bbox=16.469,-34.834,32.891,-22.124&width=512&height=396&srs=EPSG:4326&format=application/openlayers

Methodology/ Protocol

Processing/ Provenance	As described above
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Important Attribute(s)

RFLCVAR1 - RFLCVAR12	Coefficient of Variation of Monthly Rainfall (January - December)
RFLCVAR13	Coefficient of Variation of Monthly Rainfall (Annual Average)

References and Sources

[1]	Schulze, R.E. and Lynch, S.D. 2007. Monthly Rainfall and its Inter-Annual Variability. In: Schulze, R.E. (Ed). 2007. South African Atlas of Climatology and Agrohydrology. Water Research Commission, Pretoria, RSA, WRC Report 1489/1/06, Section 6.6.
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