



APPLICATION FOR NONPARTISAN STATE DEMOGRAPHER

The nonpartisan state demographer is an employee of the state of Missouri and is not an employee of the State Auditor's Office.

INSTRUCTIONS

All applicants for the position of nonpartisan state demographer must complete the application. Please answer all questions completely and honestly and attach any additional information relevant to the position. The use of this application form does not constitute an offer or a contract of employment. Criminal background checks of any and all applicants will be conducted by the Missouri State Highway Patrol. All applications and required supplemental information must be received by December 4, 2019. All applications will be publically available and will be posted on the State Auditor's Office official website, with certain personal information redacted.

Applications are received and reviewed by the Quality Control Team of the State Auditor's Office. The Quality Control Team will provide an email notification to each applicant acknowledging receipt of application. Any follow-up questions or inquiries of applicants will be conducted by the Quality Control Team via email. If an applicant fails to provide all required information, the Quality Control Team will send a request via email to the applicant requesting the missing information. All missing information must be provided no later than December 12, 2019. The State Auditor's Office will not conduct interviews of applicants.

Under Section 127.020 RSMo, each applicant will be required to file a financial interest statement no later than 14 days after the State Auditor's Office has delivered the list of applicants to the majority leader and minority leader of the state senate. Financial interest statements are to be filed with both the Missouri Ethics Commission and the Secretary of the Senate. The State Auditor's Office will inform applicants when it submits the list to the majority leader and minority leader of the state senate.

The State Auditor's Office recommends that you download the application form PDF file to your local computer before opening it. For Windows, right click on the title link > Select "Save Target As" (Internet Explorer) or "Save Link As" (Firefox/Chrome) when presented with a menu and save the form to a location on your hard drive. For Mac, (option-clicking on the Mac will automatically save the file locally). Use Adobe Acrobat Reader DC to open, fill out, and save the form after downloading. Adobe Acrobat Reader DC is a free [download](#). This form can be filled out electronically or handwritten. Enter applicable information into each of the fields. When complete, save the form and then print it and sign it. The signed form can then be mailed to the address indicated at the end of this form or scanned back in a PDF format and emailed to the address indicated at the end of this form.

DUTIES

All duties of the nonpartisan state demographer are outlined in Article III, Section 3, of the Missouri Constitution. You may view those duties by clicking [here](#). In addition, Sections 105.483 and 127.010 to 127.040, RSMo, provide additional requirements of the nonpartisan state demographer. You may view those sections by clicking [here](#) and [here](#).

QUALIFICATIONS

The following minimum qualifications will determine application advancement:

A master's degree from an accredited college or university in Demography, Geography, Statistics, Economics, Sociology, Urban Planning, Anthropology, Epidemiology, or Actuarial Science, which included coursework in demographic or statistical analysis; and, three or more years of professional experience in demography, statistics, economics, geography, or research, including work in modeling, analysis, forecasting and project management, and utilizing geographic information systems (GIS), database, and statistical software applications.

OR

A bachelor's degree from an accredited college or university in Demography, Geography, Statistics, Economics, Sociology, Urban Planning, Anthropology, Epidemiology, or Actuarial Science, which included coursework in demographic or statistical analysis; and, five or more years of professional experience in demography, statistics, economics, geography, or research, including work in modeling, analysis, forecasting, and project management, and utilizing geographic information systems (GIS), database, and statistical software applications.

(24 earned graduate credit hours from an accredited college or university in the specified areas may substitute for one year of the required experience.)

Are you presently or have you ever been an elected or appointed public official in the state of Missouri? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		If Yes, please list offices and dates held.
Office and Dates Held	Office and Dates Held	
Office and Dates Held	Office and Dates Held	
Have you ever been fined by the Missouri Ethics Commission for any campaign or ethics violation(s)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		If Yes, please list and explain.
Campaign or Ethics Violation	Campaign or Ethics Violation	

EDUCATION (Attach additional sheets if necessary)		
Undergraduate Degree Achieved Bachelor of Science in Operations Research	Institution Name University of South Africa	
Institution Address Preller St, Muckleneuk, Pretoria, 0002, South Africa	Attendance 2000 2009 From: _____ To: _____	
Graduate Degree Achieved Master of Philosophy in Demography	Institution Name University of Cape Town	
Institution Address Rondebosch, Cape Town, 7700	Attendance 2010 2013 From: _____ To: _____	

Please also submit a copy of undergraduate/graduate transcripts

EMPLOYMENT RECORD (Attach additional sheets if necessary)	
Please list your work experience, starting with the most recent.	
1. Employer's Name Engen Petroleum	Phone +2721 403 4911
Address Thibault Square, Cnr Riebeeck and Long Strs, Cape Town, RSA	Dates of Employment (Month/Year) From 05/2018 To current
Kind of Business Oil and Gas	Full Time <input checked="" type="checkbox"/> Part Time <input type="checkbox"/> Seasonal <input type="checkbox"/>
Job Title and Brief Description of Duties / Project Name and Entity Role Advanced Analytics Specialist Finance Division - Build and deploy into production a time series forecasting model for retail and commercial fuel volume sales; study statistical correlations between retail volume sales and macroeconomic indicators such as the CPI, GDP, etc.	
Reason The Employment Ceased Employment still current, but as a trained technical demographer, I intend practicing in order to advice public policy.	

I HEREBY CERTIFY that all information made on or in connection with this application is true and complete to the best of my knowledge and belief and that I have not knowingly withheld any fact or circumstance. I am not misrepresenting or concealing any material fact in this application. I acknowledge and agree to this application being publically available at www.auditor.mo.gov with the exception that certain personal identifying information is removed/redacted.



Signature

04 / 12 / 2019

Date

QREAVES
MO FOLKE HQ

Print Name

Please return application with resume and applicable transcripts to:

Quality Control Team
301 West High Street, Room 880
P.O. Box 869
Jefferson City, MO 65102
Phone: 573.751.8825 Fax: 573.751.7984
Email: demographerapp@auditor.mo.gov

The State of Missouri is an Equal Opportunity Employer

2. Employer's Name Sanlam Life Assurance	Phone +2721 947 9111
Address Sanlamhof, 2 Strand Rd, Bellville, 7532, South Africa	Dates of Employment (Month/Year) From 09/2015 To 04/2018
Kind of Business Life Assurance	Full Time <input checked="" type="checkbox"/> Part Time <input type="checkbox"/> Seasonal <input type="checkbox"/>
Job Title and Brief Description of Duties / Project Name and Entity Role Market Intelligence Specialist Produce a set of population projections and visualize these while stacking them against Sanlam's customer base. Studying the state of the economy in order to determine the likelihood of Sanlam expanding its customer base.	
Reason The Employment Ceased Pursued career growth opportunities.	

3. Employer's Name Computer Sciences Corporation	Phone
Address Century City, Milnerton, Cape Town, South Africa	Dates of Employment (Month/Year) From 09/2013 To 08/2015
Kind of Business Actuarial modeling	Full Time <input checked="" type="checkbox"/> Part Time <input type="checkbox"/> Seasonal <input type="checkbox"/>
Job Title and Brief Description of Duties / Project Name and Entity Role Actuarial Modeler Code and build actuarial models such as annuities on VPMS for US insurance companies.	
Reason the Employment Ceased Pursued better career opportunities	

4. Employer's Name Momentum Employee Benefits	Phone
Address 6 Carl Cronje Drive, Tygervalley, Cape Town, South Africa	Dates of Employment (Month/Year) From 02/2013 To 08/2013
Kind of Business Life Assurance	Full Time <input checked="" type="checkbox"/> Part Time <input type="checkbox"/> Seasonal <input type="checkbox"/>
Job Title and Brief Description of Duties / Project Name and Entity Role Actuarial Specialist Perform actuarial valuation of the Permanent Health Insurance scheme; perform experience investigations and statistical analyses.	
Reason the Employment Ceased Change of career from actuarial science to statistics, demography and data science. Also, pursuit of career growth.	

REFERENCES (Attach additional sheets if necessary)

Please list three references who are familiar with your qualifications.
Do not include relatives or more than one college faculty member.

Name	Phone	Title or Occupation / Type of Business
Dineo Mokgapa	+27 83 272 6226	Market Intelligence Manager/Oil and Gas
Goolam Rawoot	+27 82 921 6673	Coastal Area Manager/Oil and Gas
Jean Dommissie	+27 83 790 8387	Market Intelligence Manager/Life Assurance

IDENTIFICATION (Attach additional sheets if necessary)

Full Name GREAVES MOFOKENG	Home or Cell Phone +2783 942 1965
Mailing Address 2 Chelmwood Place, Chelmsford Crescent, Parklands, Table View	Work Phone +2721 403 4531
City, State, Zip Cape Town, Western Cape, 7441, South Africa	Email Address greaves.mofokeng@gmail.com thabo.mofokeng@engenoil.com

Other names under which employment or education records may be found
Thabo

Are you a resident of the state of Missouri? Yes No If Yes, please provide your residential address (if different from the mailing address above).

Residential Address (if different than above)

City, State, Zip

NON-PUBLIC IDENTIFICATION INFORMATION

Please answer all questions on the attached non-public addendum.

BACKGROUND (Attach additional sheets if necessary)

Have you previously applied for a position with Missouri state government? Yes No If Yes, please list positions and dates applied / employed.

Position	Dates Applied/Employed
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Position	Dates Applied/Employed
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Position	Dates Applied/Employed
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Do you have any relatives working for Missouri state government or local government? Yes No If Yes, please list.

Relative / Position	Relative / Position	Relative / Position
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Are you a U.S. citizen or do you have the legal right to remain and work in the United States? Yes No

Have you ever pled guilty or been convicted of a felony? Yes No If Yes, please list and explain.

Felonies

Have you ever been a party to litigation in the state of Missouri? Yes No If Yes, please submit a list with the application and explain.

Demographer App

From: Thabo Mofokeng <greaves.mofokeng@gmail.com>
Sent: Thursday, December 5, 2019 1:42 AM
To: Demographer App
Subject: Application: Nonpartisan State Demographer
Attachments: Appl_A.pdf; Appl_B.pdf; Certified version.pdf; G Mofokeng - Data Scientist.docx; G Mofokeng - Data Scientist.pdf

Dear Sir/Madam,

I trust this mail finds you all well.

I hereby attach my application for the above role within the State of Missouri, USA. The application includes:

1. Application form
2. Resume x 2
3. Academic qualifications
4. Path to my LinkedIn profile for your perusal.

Please accept my most sincere apology for sending this application late.

Looking forward to your kind feedback.

Best regards

Greaves Thabo Mofokeng

GREAVES MOFOKENG, M.Phil.

Cape Town, WC 7441 | (+27 83) 942-1965 | greaves.mofokeng@gmail.com | LinkedIn URL:
<https://www.linkedin.com/in/greaves-mofokeng-89126a95>

Data Scientist | Advanced Analytics Specialist

Providing data-intensive, results-driven solutions to enable actionable business insights.

Business-minded data scientist with a demonstrated ability to deliver valuable insights via data analytics and advanced data-driven methods. Relied on as a key advisor in driving multinational, multibillion-dollar growth; gains in customer loyalty; and excellent turnover improvements.

EXPERTISE

- Data and Quantitative Modeling
- Decision Analytics and Modeling
- Predictive Modeling
- Data-Driven Personalization
- KPI Dashboards and BPI Plans
- R, Python and Stata coding
- Big Data Queries and Interpretation
- Data Mining and Visualization
- Machine Learning Algorithms
- Business Intelligence (BI)
- Research, Reports and Forecasts/Projections

PROFESSIONAL EXPERIENCE

ENGEN PETROLEUM (*Oil and Gas giant with the largest national footprint*)

Data Scientist, 2019 to date | **Market Intelligence Data Scientist**, 2018 to 2019

Furnish executive leadership team with insights, analytics, interactive reports and recommendations enabling effective strategic planning across six group divisions.

- ➔ Developed intricate algorithms based on deep-dive statistical analysis and predictive data modeling that were used to deepen relationships, strengthen longevity and personalize interactions with customers.
- ➔ Analyzed and processed complex data sets using advanced querying, visualization and analytics tools such as Power BI.
- ➔ Identified, measured and recommended improvement strategies for KPIs across all six divisions.

Quantifiable results:

- Reduced time spent securing relevant information by 95%.
- Increased productivity by 83%.
- Improved the quality of calls to dealers by 80%.
- Improved all relevant discussions with management by 90%.
- Improved the effectiveness of area managers by 96%.
- Helped 57% of (997) sites (Convenience and Forecourts) improve their NPS.

CURRENT PROJECTS

- ➔ Building transaction classification models for Engen Enterprise Risk & Assurance to identify and predictively mitigate against fraudulent transactions.
- ➔ Building time series forecasting models for Engen Retail sales.
- ➔ Running statistical investigations to understand the variance between Turnover Levy and Dealer Sales Trends for Engen Enterprise Risk & Assurance.

SANLAM (*Financial services and life assurance*)

Senior Quantitative Analyst, 2015 to 2017 | Market Intelligence Specialist, 2017 to 2018

Analyze market movements and demographic/population movements in order to find opportunities for Sanlam Personal Finance. Perform population projections and technical demographic modeling to enable sound business decisions.

COMPUTER SCIENCES CORPORATION (*Financial services and life assurance*)

Actuarial Modeler, 2013 to 2015

Build actuarial life annuity models for the United States insurance market on the VPMS platform.

MOMENTUM EMPLOYEE BENEFITS (*Financial services and life assurance*)

Actuarial Specialist, 2013

Perform actuarial valuation exercises in order to value the Permanent Health Insurance Scheme and other health insurance products, perform claims experience investigations. Carry out ad-hoc statistical projects and investigations.

Tutoring Appointments: Tutored undergraduate and graduate-level courses in statistics and mathematics as a postgraduate student at University of Cape Town (2011 to 2015).

EDUCATION

UNIVERSITY OF CAPE TOWN | **M.Phil. in Demography**

UNIVERSITY OF SOUTH AFRICA | **B.Sc. in Statistics, Decision Science**

OF NOTE

Data and Analytics Tools/Languages: R, Python, Alteryx, Stata, Power BI, Spectrum Suite of Policy Models, SAP HANA.

Publications: Available at <https://uct.primo.exlibrisgroup.com/discovery>

GREAVES MOFOKENG, M.Phil.

Cape Town, WC 7441 | (+27 83) 942-1965 | greaves.mofokeng@gmail.com | LinkedIn URL:
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EDUCATION

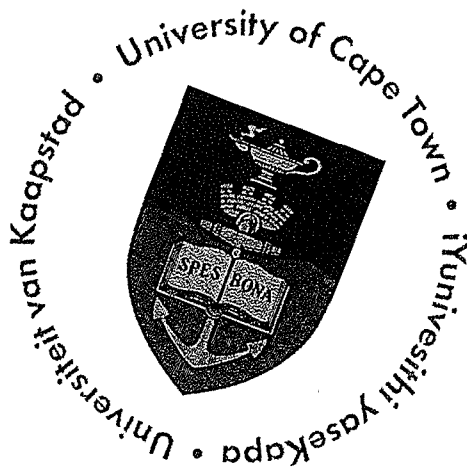
UNIVERSITY OF CAPE TOWN | **M.Phil. in Demography**

UNIVERSITY OF SOUTH AFRICA | **B.Sc. in Statistics, Decision Science**

OF NOTE

Data and Analytics Tools/Languages: R, Python, Alteryx, Stata, Power BI, Spectrum Suite of Policy Models, SAP HANA.

Publications: Available at <https://uct.primo.exlibrisgroup.com/discovery>



We certify that
Greaves Thabo Mofokeng

was admitted to the degree of
Master of Philosophy
specialising in Demography

on 11 December 2013

Certified a true copy of the original

MAZWAMHLE MATHEBULA

Date: 25/04/2019
Ex Officio Commissioner of Oaths
Attorney of the High Court of South Africa
Engen Petroleum Limited, Engen Court
Thibault Square, Foreshore
Cape Town 8001

Vice-Chancellor



Registrar

We certify that

Thabo Greaves Mofokeng

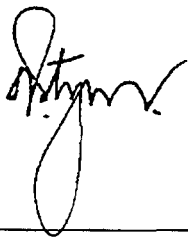
*having complied with the requirements of the Higher Education Act
and the Institutional Statute, was admitted to the degree of*

BACHELOR OF SCIENCE

at a congregation of the University

on 27 May 2010

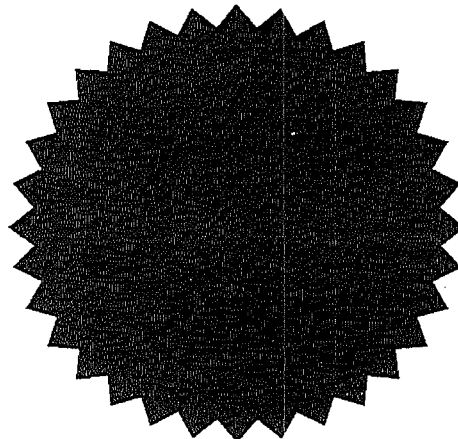
Certified a true copy of the original
MATWAMAHLE MATHEBULA
Date: 25/05/2010
Ex Officio Commissioner of Oaths
Attorney of the High Court of South Africa
Engen Petroleum Limited, Engen Court
Thibault Square, Foreshore
Cape Town 8001

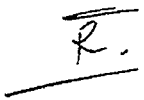


Vice-Chancellor



University Registrar





E3



We certify that

Thabo Greaves Mofokeng

*having complied with the requirements of the Higher Education Act
and the Institutional Statute, was issued with the*

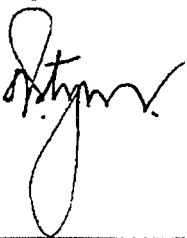
NATIONAL CERTIFICATE IN DATAMETRICS

*at a congregation of the University
on 27 September 2005*

Certified a true copy of the original

MAZWAMAHLE MATHEBULA
26/09/2019

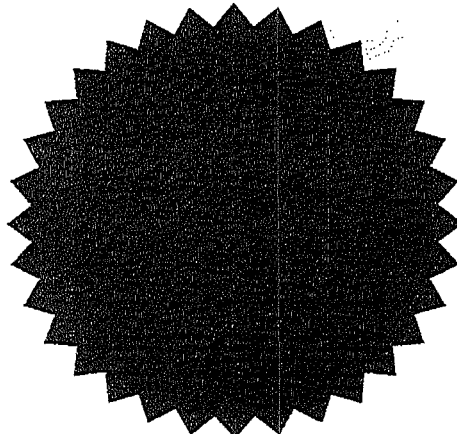
Date:
Ex Officio Commissioner of Oaths
Attorney of the High Court of South Africa
Engen Petroleum Limited, Engen Court
Thibault Square, Foreshore
Cape Town 8001



Vice-Chancellor



Registrar (Academic)



E



NICOLE GALLOWAY, CPA
Missouri State Auditor

December 5, 2019

Greaves Mofokeng
2 Chelmwood Place, Chelmsford Crescent, Parklands, Table View
Cape Town, Western Cape, 7441, South Africa

Dear Mr. Mofokeng,

The State Auditor's Office acknowledges receipt on December 5, 2019, of your application and supplemental information for the Nonpartisan State Demographer position. However, as explained on page 1 of the application, all applications and supplemental information must be received by December 4, 2019. Therefore, we cannot accept your submission.

Sincerely,

Quality Control Team
State Auditor's Office