

Codera Analytics Graph Style Guide

Graph Colours

In order of which colours should be used most commonly.

plot-templates/utils.R (latest)	Hex code
	#273b8d
	#02acba
	#be1e2d
	#c0c5cb
	#737373
	#0e1431
	#6fd6e2
	#4baf4f
	#ffc20e
	#018a98
	#a2c935
	#f7941e
	#23bccb
	#513fbd
	#d94876
	#d8c472
	#7f3f98

Font: Lato

Application Rules

1. Always start with the first colour blue and use the colours in the provided order.
2. Red must not be used as a dominant colour, it may only be used as an accent colour.

General plotting Rules

1. Left align headers
2. Appropriate number of Y-ticks for legibility and appropriate units (eg Billions instead of thousands if a large number)

3. Off-white background for blog posts preferred with square sizing
4. Transparent watermark preferred for blog posts

Examples

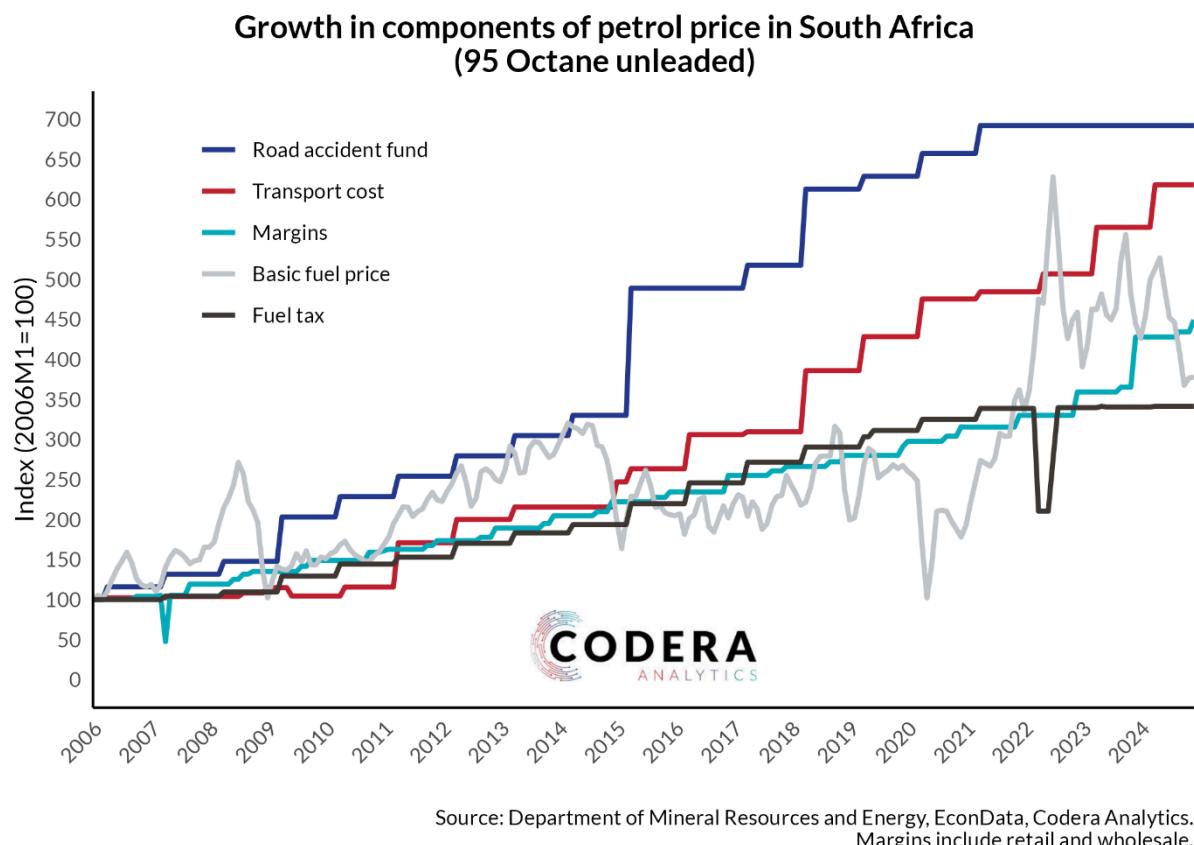
1. Standard Presentation Plot (white background)

2. Excel (white background)

3. Blog post templates (see repos)

4. R (But left align headers)

https://github.com/coderaanalytics-projects/plot-templates/blob/main/departments/basic_fuel/output/fuel_components.png

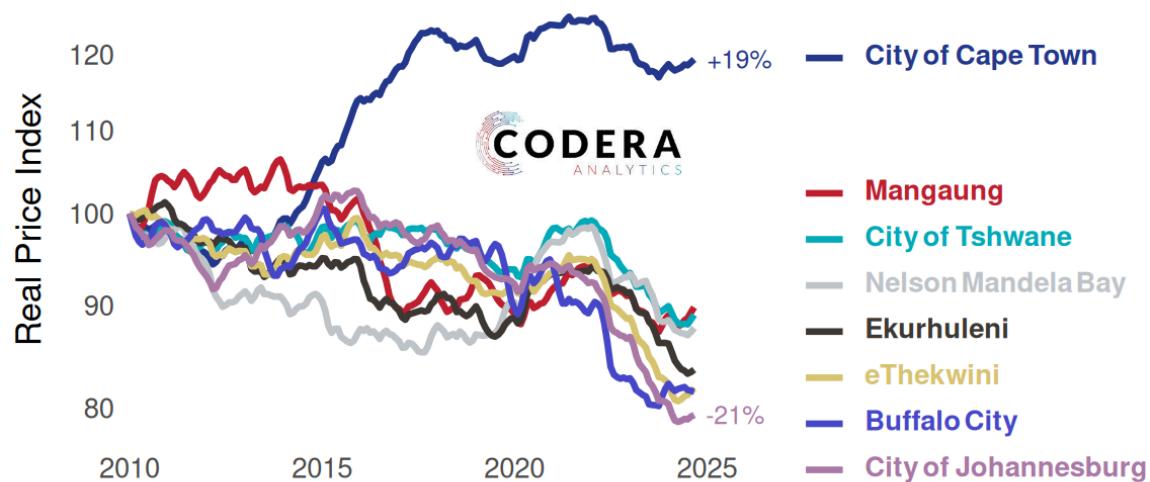


https://github.com/coderaanalytics-projects/plot-templates/blob/main/statssa/rppi/metro_real.png

(To be updated with the Graph colour palette)

Residential property price trends, after removing the effect of inflation

Although Cape Town property prices appreciated between 2014 and 2017, there has been no real appreciation since 2017, on the whole



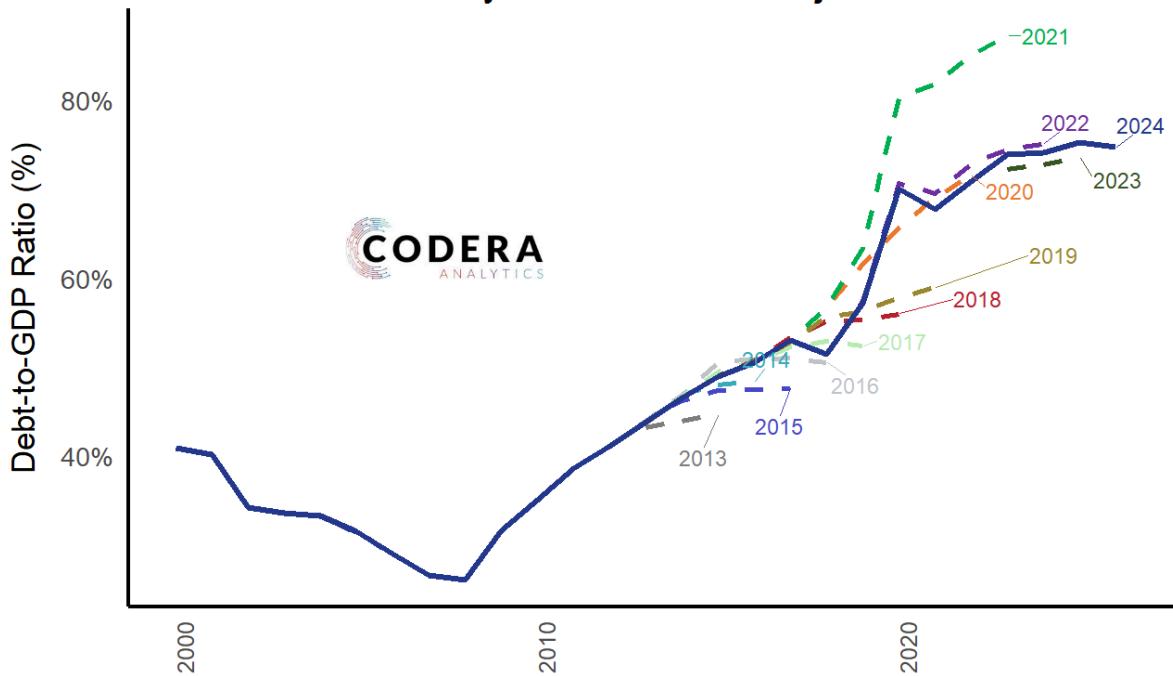
Source: StatsSA; EconData. Nominal prices deflated by headline CPI

Forecast example

https://github.com/coderaanalytics-projects/Lisa/blob/main/vintage_data_plots/hairy_plots_NT_vintages/hairy_plot_debt_gdp_NT_colours_dashed_N_D_PGL_neatened.png

(To be updated with the Graph colour palette)

Historical National Treasury Debt-to-GDP Projections



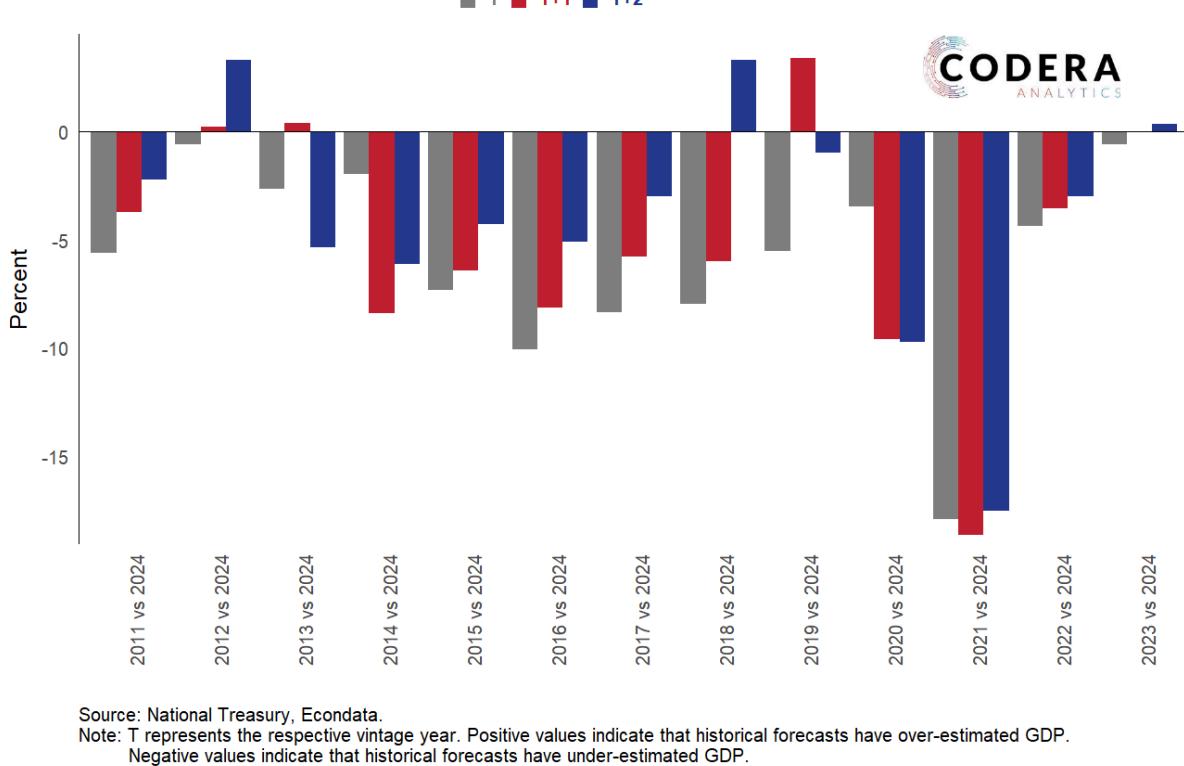
Source: National Treasury, EconData.

Note: Solid line represents latest vintage and dashed lines represent forecasts from previous vintages.

https://github.com/coderaanalytics-projects/Lisa/blob/main/vintage_data_plots/error_plots_NT/gdp_vintages_forecast_error_plot_T_labels.png

(To be updated with the Graph colour palette)

National Treasury forecast errors for the level of Nominal GDP

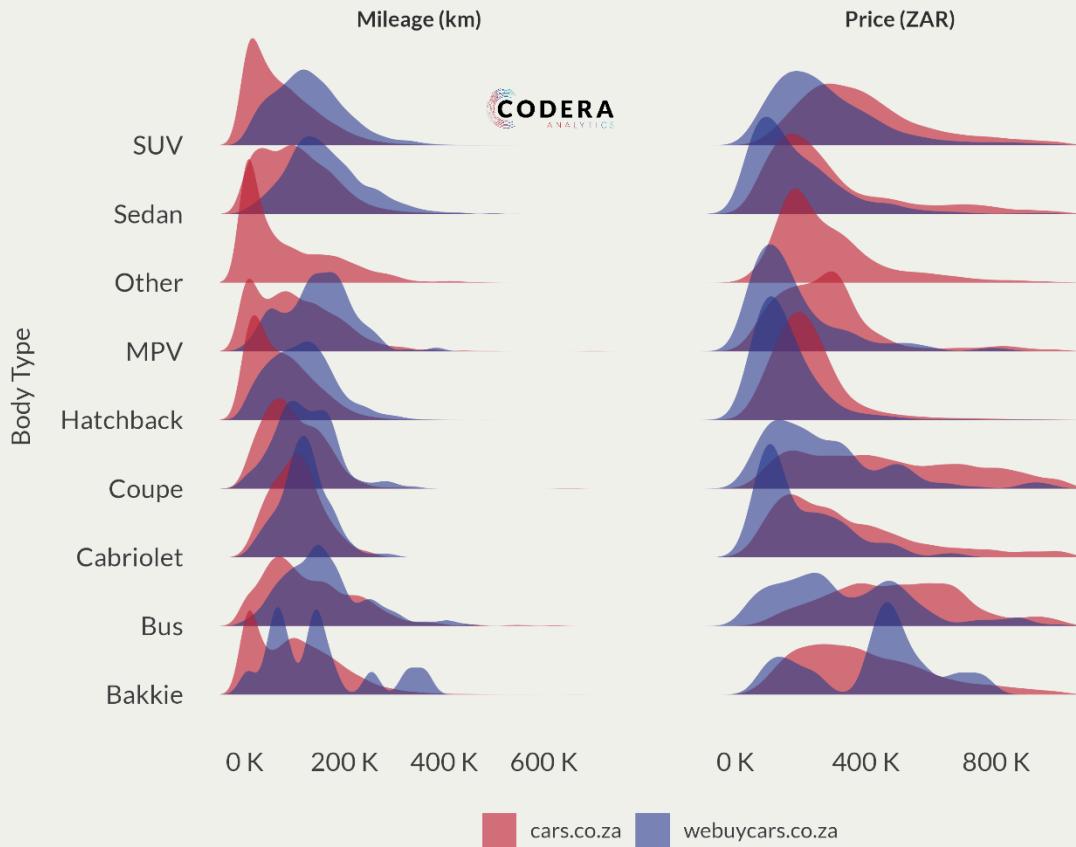


2. Blog Post (See Johan's template)

(To be updated with the Graph colour palette)

Comparing Mileage and Price Distributions Between Second-Hand Car Platforms

An Analysis of Price and Mileage Distributions for Different Car Body Types in South Africa. Only Used cars are considered.

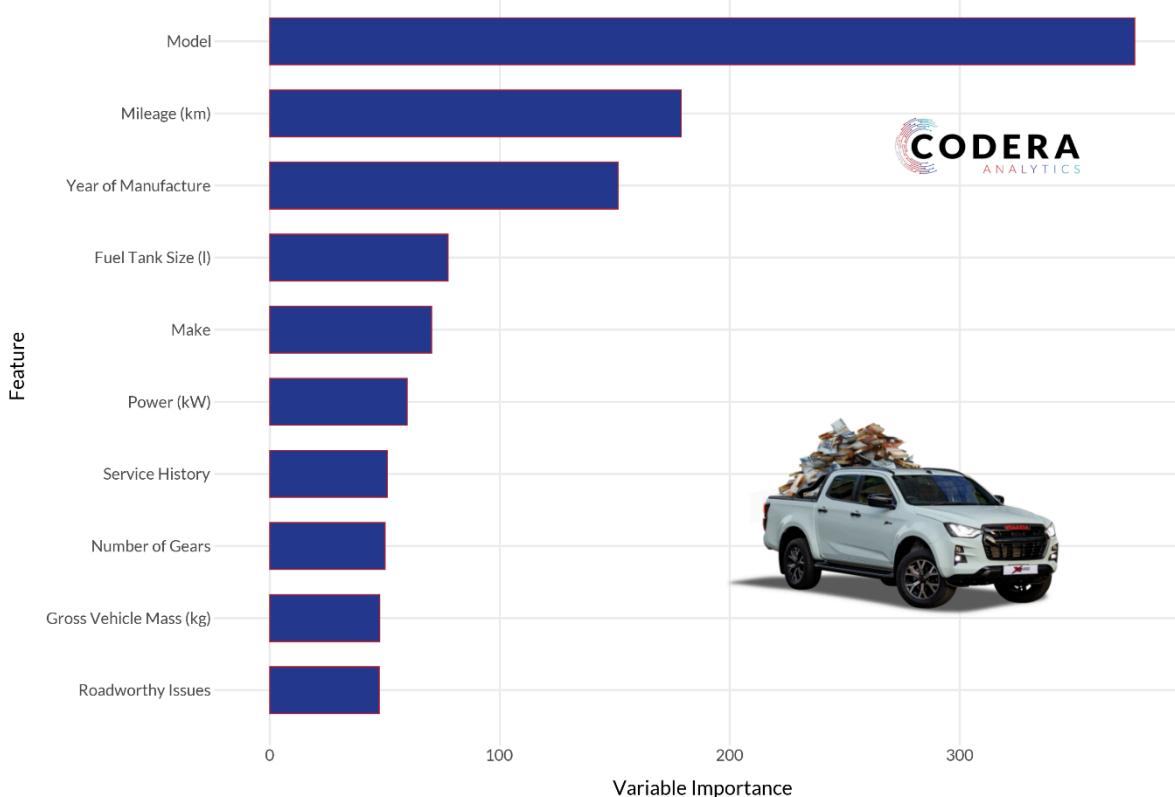


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Source: Cars.co.za and WeBuyCars.co.za

Which features matter most in vehicle pricing?

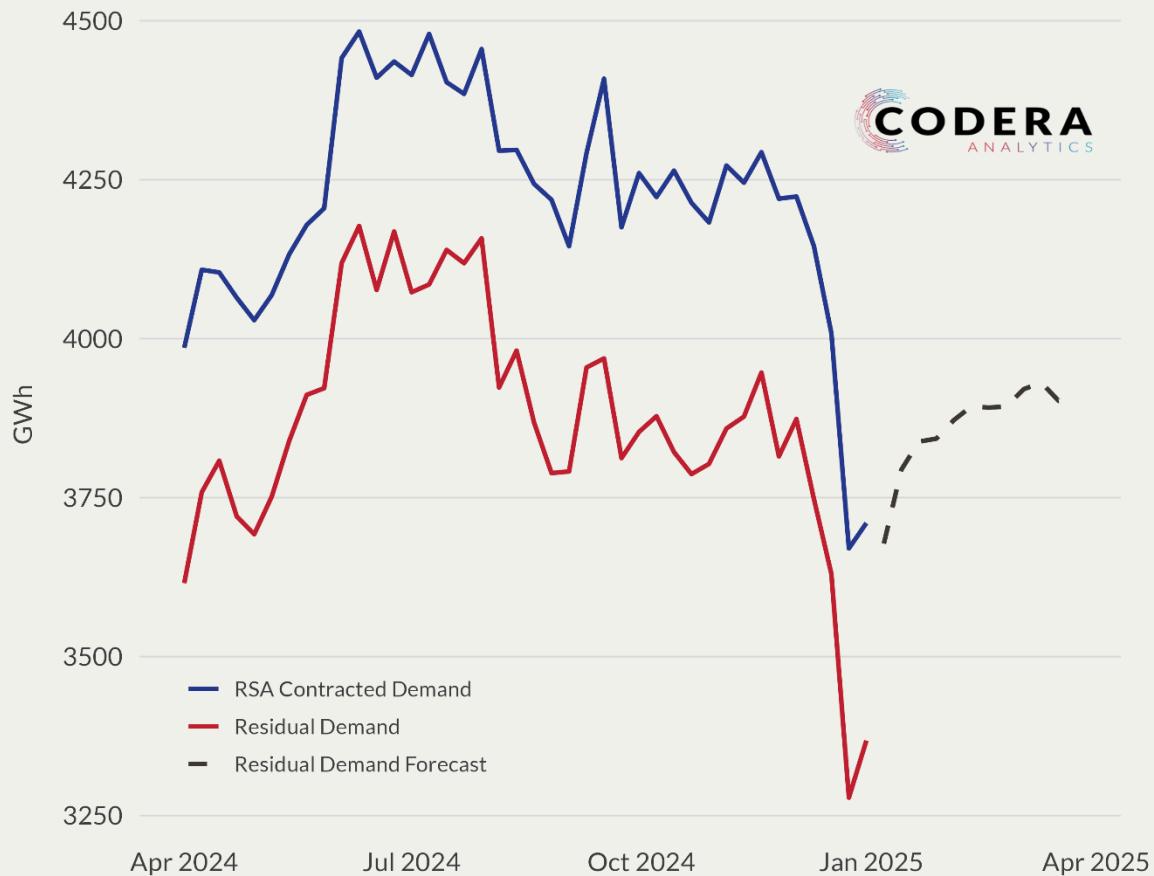
The higher the variable importance, the more likely the feature will be to help predict a high/low price



©2024 Codera Analytics. Source: WeBuyCars, Codera Analytics
High price threshold at R500K

Beach Days and Low Energy: SA's Summertime Chill

A Visual Analysis of Eskom's Energy Demand: Highlighting Winter Peaks, December Dips and Forecasted Increases



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Source: Eskom. Energy demand is calculated as the total of the hourly average values for each week (only full weeks are used). Residual Demand is the hourly average demand that needs to be supplied by all resources that can be dispatched by Eskom.