Concrete Proposals:

Project 1: Improve the Shiny App Development to configure the model

* Integrate the current presenting app with the configuration app
* Write the appropriate instructions for the user
* Implement all configuration options that are in run\_model() and forecast\_model()
* Implement the option to use pre-determined models and policies
* Write a few tests for the app

Project 2: Write a vignette to configure three appropriate models

* Adapt the ReadMe so that it includes links to the Articles
* Write text about what to look out for when configuring models (forecasts, hindcasts, literature/theory motivation, etc.)
* Show three example models (two simple ones for different questions, expand on one to make it better) – show the simple ones for two different countries
* Lay out options how to improve the model (changing logs, changing AR terms, etc.)

Project 3: Write a vignette about implementing policy options

* Choose three to four appropriate examples of where to implement policies (something like diesel and petrol prices, a ban on something, a quantity standard, a subsidy i.e. increased government spending)
* Write the appropriate text on this and implement those models for two countries

Full list of things to do for the RA’s:

1. Canada project (downloading Canada statistics)
2. Enable annual models
3. Shiny App development – see above
4. Implement warning for log(0)
5. Devise potential models in a vignette – see above
6. Policies discussion in a vignette – see above
7. Robust Forecast (when at the end of the sample, use MIS with AR term or is it just a mean shift?) – or Double Differencing (difference of the forecast error – if it is large in the first period, then add it to the next forecast)
8. Examples for each internal function – in the documentation