Senior Project Report 2102499 Year 20XX

Solar irradiance forecasting for Chulalongkorn University location using time series models

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Abstract

This template is for preparing the senior project report in English. The guideline of writing the contents can be read from the Thai template.

Keywords: solar forecasting, ARIMA models (up to five)

Remark: A report should not have more than 25 pages (exclude Appendices and References)

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7.1 Tables

Table 1: Example

Item	Font	Font Type	Font Size
Title	Garamond	Bold	20
Author names	Garamond	Bold	12
Author affiliation/email	Garamond	Regular	11
Abstract/Keywords	Garamond	Regular	11
Level 1 headings	Garamond	Bold	12
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Level 3 headings	Garamond	Regular	11
Figure/table captions	Garamond	Regular	11
Main text/References	Garamond	Regular	11

7.2 Figures

7.3 Equations

$y = Cx$

$$F(s) = \int_0^\infty e^{-st} f(t) dt \tag{1}$$

the package 'align'

$$x = 2 \tag{2}$$

$$y = 3 \tag{3}$$

$$\begin{aligned} z &= x \times y \\ &= p \end{aligned} \tag{4}$$

- To not include an equation number, use or `notag`

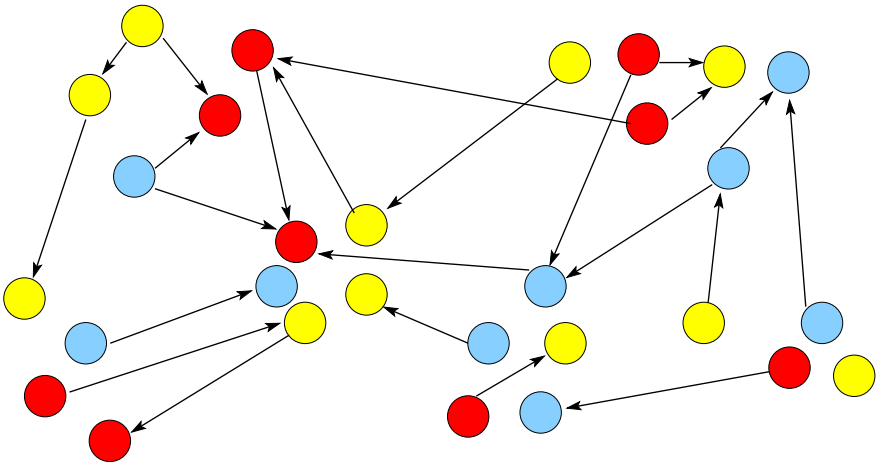


Figure 1:

Figure 2: (Source: Shutterstock.com Image by: Alex Mit)

- Cross referencing can be done using `ref` or `eqref` together with `label`. For example, we refer to (2) that $x = 2$.

the package 'eqnarray' is another environment to arrange equations into array format.

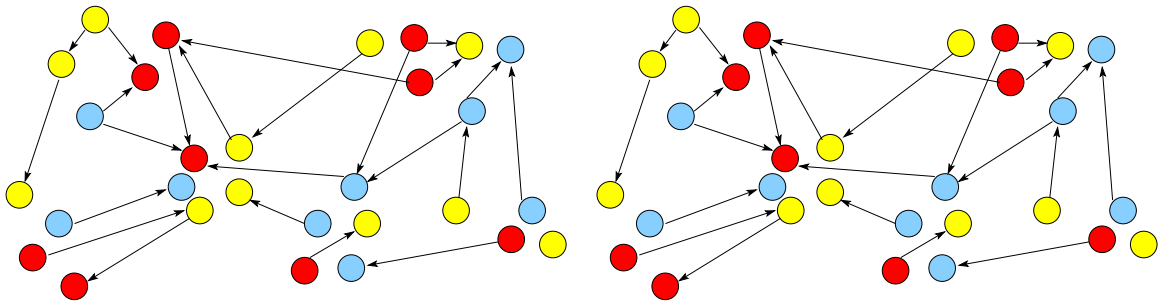
$$\dot{x} = Ax + Bu \tag{5}$$
$$y = Cx + Du \tag{6}$$

If we want to align all equations into center use the package 'gather'.

$$y = \sum_{n=0}^{1} 000.5^n + \sin(2\pi nt) + \lim_{n\to\infty} \frac{\log n}{n} \tag{7}$$
$$z = \lim_{t\to\infty} e^{-st} g(t) \tag{8}$$

7.4 References

Reference formats are different from reference types. We commonly use the IEEE format, found in `https://www.ieee.org/documents/ieeecitationref.pdf`



(a) first caption (b) second caption

Figure 3: sugfigure

Use BibTex to generate reference list in the document. You will need a list of reference in the format of `file.bib` containing reference details, which can be exported easily using Google Scholar. When to refer to a paper, use `cite`. For example, the concept about system identification can be read from [**?**].

References

8 Appendices

8.1 Appendix A

8.2 Appendix B