

Amendments summary

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I thank my examiners for their thorough and constructive comments. The point by point description of changes are below: the examiners' comments are in red and my response is in black.

p12 'Then the final coordinates for making the calendar plots of the pedestrian sensor data is' are

Done.

p36 'The "tidy data" principles are extended as tidy temporal data principles in tsibble as follows:" tsibble should be in bold?

'tsibble' here refers to the new data abstraction in normal text throughout the thesis, while 'tsibble' in bold refers to the package **tsibble**.

p39 'When constructing a tsibble, any duplicates of key-index (i.e. key-value) pairs will fail' Values are measurements and not the same as the index. Duplicates do not fail.

I removed '(i.e. key-value)'.

p40 'Each type of observational units should form a table' unit?

Done.

p40 (and References) McIlroy not Mcilroy

Done.

p41 tidyverts needs a reference of some kind

Done.

p41 'Implicit missingness are values' needs to be rephrased

'missingness' -> 'missings'.

p41 'A family of verbs are provided' is

Done.

p41 'It will be a problem for temporal models and operations like lag/lead are applied.' needs rewriting

I rewrote 'It will be a problem for temporal models and operations like lag/lead, that expect consecutive time.'

p42 'the interested measurement' the measurement of interest

Done.

p42 ', hence can' should be 'can hence'

Done.

p47 'A complete and consistent set of tools are available' is available

Done.

p48 'the table verbs extensively use tidy evaluation to evaluate computation in the context of tsibble data and spotlights the "tidy" interface" spotlight

Done.

p50 'interested questions' questions of interest

Done.

p51 'the operations undertaking' undertaken

Done.

p53 'with higher delay percentage in both ends of the year.' at both ends

Done.

p53 'Half-hourly general supply in kWh have been recorded' has been

Done.

p70 'The right panel is the swap between them, showing that the overlapping missings of the Runs type with the Occasions occur to the longer runs.' ?

I've rephrased to 'The right panel interchanges two variables, and indicates that there is little overlap on the long runs.'

p71 'which is referred to "missing data polish"' referred to as?

Done.

p72 'models would likely complain the existence of any missings and some would even decline the job' Rewrite!

models would likely complain *about* the existence of any missings and some would even decline the job.

p76 'is used too illustrate' to

Done.

the bigram 'and etc.', which is used a few times, should just be 'etc.'

Done.

The classical text of Chambers et al from 1983 is dated by its reprinting in 2017, which makes it look like a modern text. Shouldn't the original date be used, or at least mentioned?

Done.

Tierney & Cook (2018a) and (2018b) are the same reference. Presumably one of them should refer to the naniar package.

Done.