biblatex-moderncv – A biblatex implementation for use with the moderncv document class[*]

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This package is intended to provide a *biblatex*[1] style for use with *moderncv*[2]. The style is numeric, but has not been fully developed for citing within document aside from publication listings. The style is a mix of the standard style, borrows from styles of AIP and AIP (using *biblatex-phys*[3] as a reference), NATURE (using *biblatex-nature*[4] as a reference), and personal my own preferences.

1 Requirements

1. *biber*[5] must be used as the bibliography processor

2. *xcolor*[6] is required for \mkbibcolor

3. The date formatting requires:

   (a) *babel*[7] for LaTeX users

   (b) *polyglossia*[8] for XƎTEX or LuaTEX users

4. *csquotes*[9] for article titles

5. *url*[10] is used to format hyperlinks

2 Style options

Additional style options are provided for use in CV publication listings. Some default style options are changed as well.

doi
eprint
isbn
    These options are turned off by default in biblatex-moderncv. Instead the doi and url are used as they are in *biblatex-phys*[3] and used to create links for the title, journal title, proceedings title, or event title depending on context.

url
    Inherited from *biblatex-phys*[3], this boolean option will suppress the title of article and inproceedings entries when set to false. The default value is true.

articletitle

biblabel
    The default is set to superscript which is used for citations. *This feature is not currently available.*

chaptertitle
    Similar to articletitle, chaptertitle is a boolean value (default true) which enables or disables the chapter title in incollection entries.

pageranges
    This boolean value (default true) determines if the full range of page numbers

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is displayed or simply the first page. *This feature is not currently available.*

maxnames

maxcitenames
    The options `maxnames` and `maxcitenames` are set to 999 and 2 respectively by default for biblatex-moderncv.

firstinits
    This defaults to true for biblatex-moderncv

sorting
    The default value (ddnt) is one that has been created for biblatex-moderncv. This sorts entries by *date* (descending), then `name`, and finally `title`.

authorrole
    This boolean (default *false*) allows the use of the `usera` field to detail what was contributed to the entry. This functions similar to `addendum`, but is moved to `usera` to prevent contamination when using the same bib file or reference database for other work.

showevent
    This boolean (default *false*) will display the `eventtitle` and `eventdate` instead of the title of the proceedings (`booktitle`) and publication date (`date`). *At present this does not change the sorting scheme.*

indauthorhash
    This boolean (default true) prints the author name (with hash set by `authorhash`) using \indauthorhash. By default this uses \mkbibbold and is explained in greater detail later.

authorhash
    This is the hash value found in the `bbl` file generated by *biber*[5] for the author to highlight. This requires that the authors name be identical in each entry.

punctfont
    The default for biblatex-moderncv is true more is explained in the manual for *biblatex*[1].

3   Author name formatting

The commands for printing the authors name \mkbibnamefirst, \mkbibnamelast, \mkbibnameprefix, and \mkbibnameaffix are changed from simply printing the name given to passing to a command \bibnametest. If both the authors name hash (from the `bbl` file) and `indauthorhash` is true, the name part is passed to \indauthorhash which by default passes to \mkbibbold. There are several ways to change this behavior in the preamble for different effect. Some examples are listed here.

```
% Bold name (default)
\renewcommand*{\indauthorhash}[1]{\mkbibbold{#1}}

% Color name <color>
\renewcommand*{\indauthorhash}[1]{\mkbibcolor{<color>}{#1}}

% Emphasize name
\renewcommand*{\indauthorhash}[1]{\mkbibemph{#1}}
```

    This method was inspired by a question on the TeX StackExchange[11].

    The alias can be changed as normal (default is *last − first*). Additional options can be found in the *biblatex*[1] manual.

4   Date format

The itemized bibliography has the first occurrence of the year printed in the left of the list using a method from TeX StackExchange[12]. In order to remove the year from the entry date and print the month and day, the language file had to be

modified similar to using *biblatex-apa*[13]. For LATEXusers using babel the following must be in the preamble:

```
\usepackage[american]{babel}
\usepackage{csquotes}
\usepackage[backend=biber, style=moderncv]{biblatex}
\DeclareLanguageMapping{american}{american-moderncv}
```

or for XƎTEXand LuaTEX:

```
\usepackage{polyglossia}
\setdefaultlanguage[variant=american]{english}
\usepackage{csquotes}
\usepackage[backend=biber, style=moderncv]{biblatex}
\DeclareLanguageMapping{english}{english-moderncv}
```

Currently only the american style long date format is supported. The year will appear only for cases where a range is used in `date` where the start and end year differ. Also, in cases where the `eventdate` is used and does not span within the same year as `date`.

5   Errors and omissions

Improvement suggestions and bug reports should be submitted to https://github.com/agrede/biblatex-moderncv, or e-mailed to agrede@gmail.com. Note this is still under development.

References

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[2]X. Danaux, *Moderncv*, version 1.5.1, Apr. 29, 2013, http://www.ctan.org/pkg/moderncv.

[3]J. Wright, *Biblatex-phys*, version 0.9e, Feb. 15, 2013, http://www.ctan.org/pkg/biblatex-phys.

[4]J. Wright, *Biblatex-nature*, version 1.2e, May 20, 2013, http://www.ctan.org/pkg/biblatex-nature.

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[10]D. Arseneau, *Url*, version 3.4, Dec. 31, 2013, http://www.ctan.org/pkg/url.

[11]Audrey, *Make specific author bold using biblatex*, TeX Stack Exchange, (Sept. 21, 2012) http : / / tex . stackexchange . com / a / 73246 / 25778 (visited on 04/11/2014).

[12]Audrey, *Sorted list of publications in moderncv from bibtex*, TeX Stack Exchange, (July 13, 2013) http://tex.stackexchange.com/a/123818/25778 (visited on 04/11/2014).

[13]P. Kime, *Biblatex-apa*, version 6.4, Oct. 30, 2013, http://www.ctan.org/pkg/biblatex-apa.