Package name: heuristica (Utopia)

Derived from: Utopia (free version)

Weights and shapes: {m, b}, {n, it}.

Features:

- full set of f-ligatures;
- SMALL CAPS in regular weight, upright shape only;
- monospaced lining figures 0123456789;
- taboldstyle (monospaced) figures 0123456789—option osf makes these the default text figures, while using lining figures for math;
- superior figures 0123456789. The option sups will force footnote markers to use them;
- Option space (default value 1.2) multiplies fontdimen2 by that factor, making for a less cramped appearance.

Typical invocation:

\usepackage{textcomp}
\usepackage[osf,scaled=.95]{heuristica} % osf for text, not math
\usepackage{cabin} % sans serif
\usepackage[varqu,varl]{inconsolata} % sans serif typewriter
\usepackage[utopia,bigdelims,vvarbb]{newtxmath} % bb from STIX
\usepackage[cal=boondoxo]{mathalfa} % mathcal

Example using this preamble:

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The typeset math below follows the ISO recommendations that only variables be set in italic. Note the use of upright shapes for d, e and π . (The first two are entered as \mathrm{d} and \mathrm{e}, and in fonts derived from mtpro2 or newtxmath, the latter is entered as \uppi.)

Simplest form of the *Central Limit Theorem***:** Let X_1, X_2, \cdots be a sequence of iid random variables with mean 0 and variance 1 on a probability space $(\Omega, \mathcal{F}, \mathbb{P})$. Then

$$\mathbb{P}\left(\frac{X_1+\cdots+X_n}{\sqrt{n}}\leq y\right)\to \mathfrak{N}(y):=\int_{-\infty}^y\frac{\mathrm{e}^{-t^2/2}}{\sqrt{2\pi}}\,\mathrm{d}t\quad\text{as }n\to\infty,$$

or, equivalently, letting $S_n := \sum_{1}^{n} X_k$,

$$\mathbb{E} f\left(S_n/\sqrt{n}\right) \to \int_{-\infty}^{\infty} f(t) \frac{\mathrm{e}^{-t^2/2}}{\sqrt{2\pi}} \, \mathrm{d}t \quad \text{as } n \to \infty, \text{ for every } f \in \mathrm{b}\mathscr{C}(\mathbb{R}).$$