

User Perceptions of Five-Word Passwords

Qualitative Codebook

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- **secure (131)**
hard-guess (16), hard-crack (13), length (10), random (6), unique (6), no-personal (5), not-confident (4), not-enough (4), dots (3), uncommon (2), word-choice (2), no-sense (1), infinit-combo (1), special (1), not-remember (1), only-words (1), prefer-password-manager (1)
- **words-and-chars (125)**
random (44), personal (30), pet-name (6), easy-to-remember (5), sentence (1), movie (1), favorite (1), anime (1), object (1)
- **easy-to-remember (125)**
words (9), sentence (7), short (7), humor (4), rhythmic (4), theme (4), rhythm (3), story (3), strong (2), word-ordering (2), first-letter (2), frequently-use (2), relatable (1), spelling (1), coherent (1), common-words (1), first-combo (1), secure (1), relate-to-words (1), typo (1), one-syllable (1)
- **no-change (109)**
- **combination (93)**
nums-letters-symbols (25), nums-words-symbols (11), words (9), nums-words (8), personal (7), nums-letters (6), letters-symbols (3), words-symbols (2), letters (2), object-inspiration (1), nums-symbols (1)
- **numbers (60)**
personal (11)
- **add (57)**
symbols (28), numbers (18), nums (17), capitals (14), caps (8), special-chars (6), characters (2), acronym (1), punctuation (1), words (1), similar-words (1), favorite-movie-char (1)
- **repeat (53)**
in-head (22), oral (13), visual (4)
- **words (40)**
personal (13), work (11), favorite-words (4), company-name (4), random (3), usual-pass (1), company-name-+-CEO-name (1), review (1), last-two (1)
- **same (37)**
variation (18), change-regularly (1), change-monthly (1)
- **hard-to-remember (36)**
- **not-secure (35)**
easy-crack (10), only-words (9), add-symbols (5), easy-guess (5), add-nums (5), add-caps (2), breach (1), hack (1), better-than-normal (1), short (1), personal (1), hard-crack (1)
- **memory (32)**
- **usual-pass (31)**
- **write-down (24)**
photo (2), store (1)
- **no-method (24)**
- **n/a (22)**
- **bad-memory (21)**
- **physical-storage (21)**
- **password-manager (39)**
- **variation (18)**
usual-pass (14), change-quarterly (1), object-inspiration (1), change-monthly (1)
- **change (18)**
length (7), words (5), entire-pass (2), first-word (1), into-sentence (1), style (1), word-odd (1), structure (1)
- **unique (17)**
- **browser-storage (16)**
- **surroundings (15)**
- **change-words (14)**
memorable (3), sentence (2), complex (2), personal (2), no-personal (1), monosyllable (1)
- **sentence (13)**
- **passwordbank (12)**
variation (2)
- **change-length (12)**
reduce (7), increase (1)
- **must-use-everyday (9)**
- **acronyms (9)**
- **file-storage (9)**
- **make-easy-to-remember (9)**
- **good-memory (9)**
- **object-inspiration (9)**
work (6), personal (1), favorite (1)
- **secure-for-some (9)**
- **long (8)**
- **remember-few (8)**
- **hard-to-guess (8)**
- **favorite (7)**
sayings (1)
- **remove (7)**
periods (5), words (1), all-s (1)
- **within-dictionary (6)**
short-words (1)
- **imagination (6)**
- **meanings (6)**
- **nums (6)**
work (3), personal (2), personal-+-work (1)
- **use-only-one (6)**
- **use-pass-manager (6)**
- **things-on-mind (5)**
- **passwordbank-2 (5)**
categorized (1)
- **story (5)**
- **change-dots (4)**
- **needs-personal-meaning (4)**
- **personal (4)**
- **device (4)**
mnemonic (3)

- **passwordbank-3** (4)
- **get-used-to** (4)
- **random** (4)
- **common** (4)
- **formula** (4)
- **make-familiar** (3)
- **passwordbank-5** (3)
- **order-matters** (3)
- **phrase** (3)
- **use-method** (3)
- **first-combo** (3)
- **different-format** (2)
- **context** (2)
meaningful (2)
- **do-not-want-use** (2)
- **better-than-other** (2)
short (1)
- **accident** (2)
- **next-word** (2)
secure (1)
- **theme** (2)
- **work-related** (2)
- **not-five** (2)
- **randomly** (2)
story (1)
- **feelings** (2)
- **unsure** (2)
- **seems-right** (1)
- **make-personal** (1)
- **none** (1)
- **larger-dictionary** (1)
- **good-method** (1)
- **starting-words** (1)
- **hard-remember** (1)
- **unused** (1)
- **only-if-easy** (1)
- **passwordbank-4** (1)
categorized (1)
- **passwordbank-6** (1)
- **forgot-last-word** (1)
- **simple-words** (1)
- **funny** (1)
- **group-pairs** (1)
- **familiar** (1)
- **positive** (1)
use-in-future (1)
- **nice** (1)
- **secure-enough** (1)
- **like-the-flow** (1)
- **simple** (1)
- **increase-dictionary-size** (1)
- **easy-remember** (1)
- **not-complicated** (1)
- **important** (1)
- **reorder** (1)
- **personal-connection** (1)
- **atypical-format** (1)
- **no-more-secure** (1)
current-pword (1)
- **like-the-combination** (1)
- **unique-combo** (1)
- **needs-theme** (1)