Keyboard Layout Analyzers

Name & link	Created by	Created year	Notable layouts	Notable features	Interface type	Generation?	Thumbs?	Shift?	Notes
<u>a200</u>	ClemenPine	2021		Sorting/filtering tools	Command line	No	Yes	No	Popular in AKL discord
AdNW	Andreas Wettstein	2009	AdNW		Command line	Yes	No	Yes	Website and documentation are in German
amini / bmini / cmini	ClemenPine/semilin/Apsu	2022			Special/Other	Partial	Partial	No	Discord bot, popular in AKL discord. Thumbs include alphas/punc only, no space. Generation is not customizable
bclnr	bclnr	2020			Script	No	No	No	Uses bigrams only
CarpalX	Martin Krzywinski	2008	Q*MLW*	Three-part scoring model	Command line	Yes	No	No	Historically significant; pioneered simulated annealing
Colemakmods	SteveP				Website	No	Partial	No	Thumbs are not fully included in analysis
Arno's scoring model	Arno Klein	2021	<u>Engram</u>		Script	Yes	No	No	
genkey	semilin	2021	Semimak	Fingerspeed model	Command line	Yes	No	No	Popular in AKL discord
genkey Apsu fork	Apsu	2021			Command line	Yes	Partial	No	Thumb only supports non-space characters and is janky
Halmak Al	Nikolay Nemshilov	2016	Halmak	Evolutionary algorithm	Script	Yes			Nobody knows how it works (but we know the results are questionable)
Keyboard Layout Optimizer	Dario Götz	2021		Custom mods/layers, metrics, form factors	Special/Other	Yes	Yes	Yes	Main version is command line, slightly reduced web version at https://dariogoetz.github.io/keyboard_layout_optimizer/
keygen	xsznix		RSTHD		Command line	Yes	Yes		Tracks a variety of uncomfortable sequences
keynergy	semilin	2013		Extreme customizability	Special/Other				Not yet completed; both command line and graphical options planned
<u>Keyrita</u>	youngbrycecode/KayOS	2022			Graphical	Yes	Yes	No	Working but still under development
keysolve	ClemenPine	2023		Full and half scissors	Website	No	Partial	No	Thumbs include alphas/punc only, no space
KLA by patorik	Patrick Gillespie	2008		i uli alia fiali 3033013	Website	No	Yes	Yes	Thumbs include alphas/pune only, no space
KLAnext	lan Douglas	2020		Changed scoring model	Website	No	Yes	Yes	Continuation of KLATest; used by keyboard-design.com
KLA SteveP fork	SteveP	2020		Changed scoring model Changed scoring model	Website	No	Yes	Yes	Most well-regarded KLA version among AKL discord
KLATest/KLA	Shena'Fu/Den/Xay Voong			Changed Scoring model	Website	No	Yes	Yes	Most well-regarded REA version among ARE discord
layoup	semilin	2022		Extreme customizability, constraint-based optimization	Command line	Yes	Yes	No	In development, graphical options planned
Michael Dickens	Michael Dickens	2009	MTGAP	Inward Rolls!	Script	Yes	No	No	Pioneered "trigraph rolls" (3 keys, 1 hand switch)
Oxey's playground	Oxey	2022		Scissors and bad redirects	Website	No	Partial	No	it has thumbs kinda
<u>Oxeylyzer</u>	Oxey	2022			Command line	Yes	No	No	Popular in AKL discord
Scratch analyzer	furtissim	2022			Website	No	No	No	an impressive achievement
SWORD	Giorgi Chavchanidze	2021		Adaptive and special keys	Command line	Yes	Yes	No	Configurable form factors. Analyzer/optimizer are on different repo branches
Trendy analyzer	Richard Davison	2021	Trendy/Easy	A score for every key pair		Yes	No	No	Lost :(
trialyzer	Tanamr	2021		Scores using typing test	Command line	Yes	Yes	Yes	Gives a score to every possible trigram