

## Quantitative Stats on the Climbs – Ranked by Fiets Difficulty Index

Climb	Surface	Vertical Rise (ft)	Terrain Distance (mi)	Avg Grade (%)	Max Grade (%)	Max Elevation (ft)	Fiets Difficulty Index*
Mauna Kea	88% paved/12% loose cinder gravel	13,790	41.6	6.3	18	13,796	29.6
Pikes Peak	90% paved	7830	24.5	6.1		14,110	17.7
Haleakala	100% paved	10,010	37.0	5.1		10,023	17.7
Washington Auto Road	80% paved/20% packed gravel	4727	7.6	11.9	22	6,253	17.7
Mt Wilson Toll Road	100% rough gravel	4797	9.4	9.7		5,710	14.9
White Mountain Peak	100% paved	6174	20.1	5.8		10,117	13
Mt Evans	100% paved	6580	27.3	4.6		14,135	12.4
Mt Graham Highway	Paved/last 2mi gravel to Heliograph Pk	7108	29.6	4.6		10,028	11.9
Mt Hopkins Access Road	90% gravel	5544	18.7	5.6		8,585	11.1
Mt Lemmon	100% paved	6651	33.8	3.7		9149	9.3
Nordhoff Peak, Gridley Trail	Singletrack Trail	3711	9.4	7.5		4,485	8.8
Clingmans Dome	100% paved	5374	22.6	4.5		6,643	8.4
Mingus	First 85% paved	4555	19.3	4.5		7816	7.6
Mt Mitchell	100% paved	5433	27.7	3.7		6,684	7.2
Climb	Vertical Rise (ft)	Terrain Distance (mi)	Avg Grade (%)	Max Grade (%)	Max Elevation (ft)	Fiets Difficulty Index*	
Washington Autoroad	4727	7.6	11.9	22	6253	17.7	
Stelvio	6073	15.4	7.5		9049	15.5	
Angliru	4085	7.8	9.7	23.5	5151	12.9	
Mont Ventoux	5650	14.1	7.2		6273	12.5	
Washington from Gorham	5490	15.3	6.8	22	6253	12.0	
Whiteface	3522	8.0	8.3		4562	9.34	
Alpe d'Huez	3671	9.3	7.5		6033	9.14	

\* Difficulty index from Dutch cycling magazine Fiets. It is computed by  $H^2/(D*10) + T(>1000m)/1000$ , where H is height in meters, D is terrain distance in meters, and T is summit elevation in meters (if above 1000 meters). This metric puts emphasis on steepness of climbs, and adds additional difficulty for climbs that finish above 1000 meters (about 3,300 ft) above sea level. For more info, see [fiets](#) or [here](#). The Fiets index also does not take heat, wind, mud, gearing, rider fatigue, etc into account.