In this talk, I will describe twisted exponents as well as twisted extensions constructed from a group acting on a Hopf algebra $A$ as Hopf automorphisms. I will show connections between the twisted and classical Frobenius–Schur indicators and exponents for the smash coproduct produced by twisted extensions to those of the original Hopf algebra $A$. I will also describe a formula for twisted indicators and use it to prove periodicity and rationality statements. (Received September 19, 2016)