

## INDEX

- Arithmetic mean, formula, 5; results, 7; inconsistency when base is shifted, 11; does not satisfy base reversal test, 16; combination with harmonic, 18-19; simpler than geometric, 48; for intercomparison of three or more periods, 48; ease of computation considered, 84
- Averages, selection of method, 3-4; four ways and their features, 7; definitions, 9; essential requirements, 16, 81; aggregative, 39; only two forms satisfy three tests, 39; aggregative or arithmetic averages recommended, 84, 85
- Base, arbitrary, determines magnitude and distribution, 2-3; 85
- Bias, weight and relatives, 10-11; base bias, 13; rectification, 13-19, 87
- Chain indexes, adaptable when commodity lists changed, 64; divergence from fixed base indexes, 64-66; formulas for rate of change, 67; computed by formula v, 69-71; of prices of 12 leading crops, diverged downward, 71-72; Fisher's 36 commodities, diverged upward, 72; divergences greater than fixed base indexes, 73-79; unreliable substitute, 80; summary, 81, 84
- Circular test, satisfied only if weights are constant, 38-39; necessary conditions, 40-44
- Commodities, thirty-six, used by Fisher, 22, 31, 50, 65, 72; selection of items and prices, 62; changes in nature, 62-63
- Comparison, binary, 33; simultaneous, 36, 43
- Correlation, weights and price relatives, 10; three special cases, 14-16; satisfaction of weight correlation more essential, 25, 87
- Data, assembling, 60; definition of field, difficulties, 60-61
- Deviations, of formulas from factor reversal test, 31; from "ideal," 32; of chain index from fixed base index, 73-80; 81
- Distribution, 2
- Fisher, Irving, correlation between prices and quantities, cited, 10-11; cited, 22; formulas, cited, 28-29; selection of "ideal," 44; special case of 36 commodities, 50-51; cited, regarding chain indexes, 65
- Fixed base indexes, compared with chain indexes, computed by formula v, 64-71; of prices of 12 leading crops, diverged downward, 71; Fisher's 36 commodities, diverged upward, 72; best fixed base index, 80; summary, 81-84
- Formulas, weighted arithmetic, harmonic, geometric, 5; nine, satisfying two tests, 19-20; comparison of nine formulas, 23; satisfying three tests, 25; formula satisfying tests but not logical, 29; necessary for "ideal" index to satisfy circular test, 37, 39; used by Prof. Fisher in selection of "ideal," and criticism, 44-46; formula i, rate of change for chain in-