

Appendix II: Data Coverage and Sources

N.B.: All data listed below and employed in this study were taken as monthly observations. In the case of multiple series for one city, basic hedonic regressions using time and series dummies were the basis of estimating quality-adjusted price series. Unless otherwise indicated, prices were assumed to refer to the price of the locality's average grade of grain; thus, inter-market and inter-temporal differences in quality are 'soaked' up in the estimates of trade cost as detailed above, assuming a constant price mark-up exists (or can be approximated) for different grades of wheat over short periods of time. In the case of missing observations, these were predicted from a regression of the price series with gaps on the average price in all (domestic) markets in the 5 years immediately prior. All exchange rate data used in transforming the prices into American dollars (or cents) were derived from the Global Financial Dataset by Brian Taylor.

Austria-Hungary:

Krakow, 1800-1913; Gorkiewicz, M. (1950), *Ceny W Krakowie w Latach 1796-1914*. Poznan: Nakladem Poznanskiiego Towarzystwa Przyjaciol Nauk.
Ljubljana, 1800-1913; Valenčič, V. (1977), *Žitna Trgovina na Kranjskem in Ljubljanske Žitne Cene od Srede 17. Stoletja do Prve Svetovne Vojne*. Ljubljana: Slovenska Akademija Znanosti in Umetnosti.
Lwow, 1800-1913; Hoszowski, S. (1934), *Ceny we Lwowie w Latach 1701-1914*. Lwow: Sklad Glowny.
Vienna, 1800-1913; Pribram, A.F. (1938), *Materialien zur Geschichte der Preise und Löhne in Österreich, Band I*. Wien: Carl Ueberbeuters Verlag.
Budapest, 1873-1913; *Vierteljahrshefte zur Statistik des Deutschen Reichs*; Berlin: Verlag von Puttkammer & Mühlbrecht, various years; *Annuaire Statistique Hongrois*, Budapest, various years.
Czernowitz, Innsbruck, Linz, Prague, Trieste, 1894-1911; *Vierteljahreshefte zur Statistik*, various years.

Belgium:

Brugge, Ghent, 1800-1913; Verlinden, C. et al. (1972), *Dokumenten voor de Geschiedenis van Prijzen en Lonen in Vlaanderen en Brabant, vol.III & IV*. Brugge: De Tempel.
Brussels, 1800-1895; Verlinden, C. et al., *Dokumenten voor de Geschiedenis, vol. III*.
Antwerp, 1896-1913; *Vierteljahrshefte zur Statistik*, various years.

France:

Arras, Barleduc, Bayeux, Bordeaux, Chateauroux, Lyon, Marseille, Mende, Pau, Saint-Brieuc, Toulouse, 1800-1913; Drame, P. et al. (1991), *Un Siecle se Commerce du Ble en France 1825-1913*. Paris: Economica; Labrousse, E. et al. (1970), *Le Prix du Froment en France au Temps de la Monnaie Stable (1726-1913)*. Paris: S.E.V.P.E.N.
Paris, 1800-1913; Drame, P. et al.; Labrousse. E. et al.; NBER Macrohistory Database; and *Vierteljahreshefte zur Statistik*, various years.

Germany:

Berlin, Breslau, Danzig, Frankfurt, Köln, Königsberg, Leipzig, Mindau, Magdeburg,

München, Posen, Stettin, 1879-1913; Vierteljahreshefte zur Statistik, various years.

Italy:

Avellino, Bergamo Brescia, Carmagnola, Genoa, Maddaloni, Modena, Naples, Padua, Parma, Rome, Verona, 1862-1894; Ministero dell'Interno - Direzione Generale di Statistica, Annuario Statistico Italiano. Rome: Tipografia Elzeviriana, various years; Ministero di Agricoltura, Industria e Commercio, Movimento dei Prezzi di Alcuni Generi Alimentari dal 1862 al 1885. Rome: Tipografia Eredi Botta, 1886; Ufficio di Statistica Agraria, Il Frumento in Italia. Rome: Tipografia Nazionale di G Bertero, 1914.

Norway:

*Bergen, 1830-1913; Wedervang Archives, Norges Handelshøyskole, W271
Christiania, 1830-1913; Wedervang Archives, Norges Handelshøyskole, W126, W137, W213, W258, W382, W387.
Stavanger, 1842-1913; Wedervang Archives, Norges Handelshøyskole, W132, W392, W394.*

Russia:

Ieletz, Libau, Moscow, Nicolaief, Novorisslisk, Odessa, Riga, Rostov, Samara, Saratof, St. Petersburg, Warsaw, 1893-1913; Svod Tovarnykh Tsien na Glavnykh Rynkakh Rossii. St. Petersburg, various years.

Spain:

*Burgos, Cordoba, Coruña, Gerona, Granada, Lerida, Oviedo, Segovia, Zaragoza, 1814-1907; Barquin Gil, R. (1999), "El precio del trigo en Espana (1814-1883)," *Historia Agraria*, 17, 177-217; Grupo de Estudios de Historia Rural (1980), *Los Precios del Trigo y la Cebada en España, 1891-1907*. Madrid: Banco de Espana; Sanchez-Alborboz, N. (1975), *Los precios agricolas durante la segunda mitad del siglo XIX*. Madrid: Servicio de Estudios del Banco de España.
Santander, 1821-1907; Ibid.
León, 1829-1907; Ibid.
*Toledo, 1836-1907; Ibid.**

The United Kingdom:

Carmarthen, Cambridge, Dover, Exeter, Gloucester, Leeds, Liverpool, London, Manchester, Newcastle, Norwich, Worcester, 1800-1913; London Gazette, various years; Public Record Office MAF 10/74-107, 223-253.

The United States:

*New York City, 1800-1913; Cole, A.H. (1938), *Wholesale Commodity Prices in the United States, 1700-1861: Statistical Supplement*. Cambridge: Harvard University Press; Rubinow, I.M. (1908), *Russian Wheat and Wheat Flour in European Markets*. USDA Bureau of Statistics Bulletin no. 66, Washington: GPO; *Vierteljahrshefte zur Statistik, various years.*
*Philadelphia, 1800-1896; Bezanson, A. et al. (1937), *Wholesale Prices in Philadelphia, 1784-***

1861, Part II. Philadelphia: University of Pennsylvania Press; Bezanson, A. et al. (1954), *Wholesale Prices in Philadelphia 1852-1896*. Philadelphia: University of Pennsylvania Press; and Cole, A.H. (1938), *Wholesale Commodity Prices in the United States, 1700-1861: Statistical Supplement*. Cambridge: Harvard University Press.

Alexandria, 1801-1913; Peterson, A.G. (1929), *Historical Study of Prices Received by Producers of Farm Products in Virginia, 1801-1927*. Technical Bulletin of the Virginia Polytechnic Institute.

Cincinnati, 1816-1913; Berry, T.S. (1943), *Western Prices Before 1861: A Study of the Cincinnati Market*. Cambridge: Harvard University Press; *Cincinnati Price Current*, various years; Cole, A.H. (1938), *Wholesale Commodity Prices in the United States, 1700-1861: Statistical Supplement*. Cambridge: Harvard University Press; and White, H.E. (1935), *An Economic Study of Wholesale Prices at Cincinnati, 1844-1914*. Cornell University, Ph.D. dissertation.

Chicago, 1841-1913; NBER Macrohistory Database.

Indianapolis, 1841-1913; Houk, H.J. (1942), *A Century of Indiana Farm Prices, 1841 to 1941*. Purdue University, Ph.D. dissertation.

Ithaca, 1841-1913; Ronk, S.E. (1935), *Prices of Farm Products in New York State, 1841 to 1935*. Ithaca: Cornell University Agricultural Experiment Station.

San Francisco, 1852-1913; *Annual Report of the Chamber of Commerce of San Francisco*. San Francisco: Neal Publishing Company, various years; *Annual Report of the San Francisco Merchants Exchange*. San Francisco: Commercial News Publishing, various years; *Annual Report of the San Francisco Produce Exchange*. San Francisco: Commercial Publishing Company, various years; Berry, T.S. (1984), *Early California: Gold, Prices, Trade*. Richmond: The Bostwick Press; Davis, H. (1894), "Appendix I: Tables Relating to California Breadstuffs," *The Journal of Political Economy*, 2(4), 600-12; *Sacramento Union*, various years; *Transactions of the California State Agricultural Society*. Sacramento: O.M. Clayes, various years.

Kansas City, Minneapolis, St. Louis, 1899-1913; *USDA Agriculture Yearbook*. Washington: GPO, various years.