Table 1

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| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| ag\_harvester | Number of self‐propelled machines that reap and thresh in one operation | FAOSTAT (2004) |
| ag\_milkingmachine | Number of installations consisting of several complete milking units | FAOSTAT (2004) |
| ag\_tractor | Number of wheel and crawler tractors (excluding garden tractors) used in agriculture | FAOSTAT (2004) |
| atm | Number of electromechanical devices that permit authorized users, typically using machine‐readable plastic cards, to withdraw cash from their accounts and/or access other services | BIS (various years) and  ECB (various years) |
| aviationpkm | Civil aviation passenger‐KM traveled on scheduled services by companies registered in the country concerned. Not a measure of travel through a country’s airports | Mitchell (1998) |
| aviationtkm | Civil aviation ton‐KM of cargo carried on scheduled services by companies registered in the country concerned. Not a measure of travel through a country’s airports | Mitchell (1998) |
| bed\_acute | Number of beds available for those seeking in‐patient acute care, including diagnosis or treatment of an injury or illness and performance of surgery | OECD (2005) |
| bed\_hosp | Number of beds, including inpatient beds available in public, private, general, and specialized hospitals and rehabilitation centers. In most cases beds for both acute and chronic care are included | WORLD BANK (2005) |
| bed\_longterm | Number of beds for people who need assistance on a continuing basis due to chronic impairments and a reduced degree of independence in activities of daily living (including those in both hospitals and nursing homes) | OECD (2005) |
| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| cabletv | Number of households that subscribe to a multi‐channel television service delivered by a fixed line connection | WORLD BANK (2007) |
| cellphone | Number of users of portable cell phones | WORLD BANK (2007) |
| cheque | Number of payments by cheque (in millions) | BIS (various years),  ECB (various years),  EMEAP (2002) |
| computer | Number of self‐contained computers designed for use by one person | WORLD BANK (2007) |
| creditdebit | Payments by credit and debit cards (in millions) | BIS (various years),  ECB (various years),  EMEAP (2002) |
| eft | Number of transactions using payment cards at points of service (retail locations) | BIS (various years) and  ECB (various years) |
| elecprod | Gross output of electric energy (inclusive of electricity consumed in power stations) in KwHr | Mitchell (1998),  WORLD BANK (2007) |
| fert\_total | Metric tons of fertilizer consumed. Aggregate of 25 individual types listed in source | FAOSTAT (2004) |
| internetuser | Number of people with access to the worldwide network | WORLD BANK (2007) |
| irrigatedarea | Area equipped to provide water to crops, including those with full and partial control irrigation or spate irrigation and equipped wetland or inland valley bottoms | FAOSTAT (2004) |
| kidney\_dialpat | Number of patients receiving dialysis treatments, both at centers and at home | OECD (2005) |

kidney\_homedialpat Number of patients receiving dialysis treatments at home OECD (2005)

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| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| loom\_auto | Number of operable looms (of a certain size) in place at year end and are either automatic or have automatic attachments (as opposed to ordinary looms) | International Cotton Bulletin (various years) |
| loom\_total | Number of operable looms in place at year end, including those that are automatic (as defined above) and those that are ordinary. | International Cotton Bulletin (various years) |
| mail | Number of items mailed/received, with internal items counted one and cross‐border items counted once for each country. May or may not include newspapers sent by mail, registered mail, or parcel post | Mitchell (1998) |
| med\_catscanner | Number of computed tomography (CT) scanners, also known as 'CAT' scans for computed axial tomography | OECD (2005) |
| med\_lithotriptor | Number of extracorporeal shock wave lithotripters, a machine typically used to break down kidney stones | OECD (2005) |
| med\_mammograph | Number of dedicated mammography machines | OECD (2005) |
| med\_mriunit | Number of magnetic resonance imaging (MRI) units | OECD (2005) |
| med\_radiationequip | Number of pieces of equipment for treatment with x‐rays or radionuclide | OECD (2005) |
| newspaper | Number of newspaper copies circulated daily. Note that there is a tendency for news circulation to be under‐reported, since data for weekly and biweekly publications are not included | Banks (2004) |
| pctdaysurg\_cataract | Percent of cataract surgeries performed without a hospital stay | OECD (2005) |
| pctdaysurg\_cholecyst | Percent of cholecystectomies performed without a hospital stay | OECD (2005) |
| pctdaysurg\_hernia | Percent of hernia procedures performed without a hospital stay | OECD (2005) |
| pctdaysurg\_lapcholecyst | Percent of laparoscopic cholecystectomies performed without a hospital stay | OECD (2005) |

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| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| pctdaysurg\_tonsil | Percent of tonsillectomies (with or without adenoidectomy) performed without a hospital stay | OECD (2005) |
| pctdaysurg\_varicosevein | Percent of varicose veins procedures performed without a hospital stay | OECD (2005) |
| pcthomedialysis | Percent of dialysis patients who receive treatment at home | OECD (2005) |
| pctimmunizdpt | Percent of children aged 12‐23 months who received a DPT immunization (including all three doses) before the age of one year | WORLD BANK (2007) |
| pctimmunizmeas | Percent of children aged 12‐23 months who received a measles immunization (one dose only) before the age of one year | WORLD BANK (2007) |
| pctirrigated | Irrigated area (as defined above) as a share of cultivated land, which includes land used for permanent and temporary crops, pasture, land used for temporary crops, and land lying temporarily fallow | FAOSTAT (2004) |
| pctmvbyarea | Share, by area, of cropland planted with modern varieties. Weighted average of modern variety percentage for all crops included in Evenson dataset (barley, cassava, etc) | Evenson and Gollin (2003) |
| pest\_total | Metric tons of active ingredients in pesticides used in or sold to the agricultural sector. Aggregate of 32 individual types. Some countries may have reported formulation weight (instead of active ingredients) | FAOSTAT (2004) |
| pos | Number of retail locations at which payment cards can be used  Note: Per‐capita data was converted to level data using WORLD BANK (2007) population data | BIS (various years) and  ECB (various years) |
| radio | Number of radios | Banks (2004) |
| railline | Geographical/route lengths of line open at the end of the year. Narrow gauge lines generally included, but mountain railways, purely industrial lines not open to the public, and urban systems generally excluded | Mitchell (1998) |
| railp | Thousands of passenger journeys by railway. Free passengers typically excluded but may be included for some countries | Mitchell (1998) |

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| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| railpkm | Passenger journeys by railway in passenger‐KM. Free passengers typically excluded but may be included for some countries | Mitchell (1998) |
| railt | Metric tons of freight carried on railways (excluding livestock and passenger baggage). Freight for servicing of railroads is typically excluded but may be included for some countries | Mitchell (1998) |
| railtkm | Ton‐KM of freight carried on railways (excluding livestock and passenger baggage). Freight for servicing of railroads is typically excluded but may be included for some countries | Mitchell (1998) |
| ship\_all | Number of ships of all kinds (above a minimum weight) in use at midyear. Please see also general note on all ship‐related series at end of list | Mitchell (1998) |
| ship\_motor | Number of motor ships (above a minimum weight) in use at midyear. Please see also general note on all ship‐related series at end of list | Mitchell (1998) |
| ship\_sail | Number of sail ships (above a minimum weight) in use at midyear | Mitchell (1998) |
| ship\_steam | Number of steam ships (above a minimum weight) in use at midyear | Mitchell (1998) |
| ship\_steammotor | Number of steam and motor ships (above a minimum weight) in use at midyear | Mitchell (1998) |
| shipton\_all | Tonnage of ships of all kinds (above a minimum weight) in use at midyear | Mitchell (1998) |
| shipton\_motor | Tonnage of motor ships (above a minimum weight) in use at midyear | Mitchell (1998) |
| shipton\_sail | Tonnage of sail ships (above a minimum weight) in use at midyear | Mitchell (1998) |
| shipton\_steam | Tonnage of steam ships (above a minimum weight) in use at midyear | Mitchell (1998) |
| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| shipton\_steammotor | Tonnage of steam and motor ships (above a minimum weight) in use at midyear | Mitchell (1998) |
| spindle\_mule | Number of mule spindles in place at year end | International Cotton Bulletin (various years) |
| spindle\_ring | Number of ring spindles in place at year end | International Cotton Bulletin (various years) |
| steel\_acidbess | Crude steel production (in metric tons) by the acid Bessemer process (an early steel process) | International Iron and Steel Institute (various years) |
| steel\_basicbess | Crude steel production (in metric tons) by the basic Bessemer process (an early steel process) | International Iron and Steel Institute (various years) |
| steel\_bof | Crude steel production (in metric tons) in blast oxygen furnaces (a process that replaced Bessemer and OHF processes) | International Iron and Steel Institute (various years) |
| steel\_eaf | Crude steel production (in metric tons) in electric arc furnaces (a process that complemented and improved upon Bessemer and OHF processes) | International Iron and Steel Institute (various years) |
| steel\_ohf | Crude steel production (in metric tons) in open hearth furnaces (a process that complemented the Bessemer process) | International Iron and Steel Institute (various years) |
| steel\_other | Crude steel production (in metric tons) by methods other than those listed here | International Iron and Steel Institute (various years) |
| steel\_stainless | Stainless steel production (in metric tons). Stainless and crude steel have different functions | International Iron and Steel Institute (various years) |

surg\_appendectomy Number of appendectomies performed OECD (2005)

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| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| surg\_breastcnsv | Number of breast conservation surgeries performed | OECD (2005) |
| surg\_cardcath | Number of cardiac catheterizations (insertion of a catheter into a chamber or vessel of the heart) performed | OECD (2005) |
| surg\_cataract | Number of cardiac catheterizations (insertion of a catheter into a chamber or vessel of the heart) performed | OECD (2005) |
| surg\_cholecyst | Number of cholecystectomies (gallbladder removals) performed, either laparoscopically or by other methods | OECD (2005) |
| surg\_corbypass | Number of coronary bypass surgeries performed | OECD (2005) |
| surg\_corinterven | Number of percutaneous coronary interventions (used to reduced or eliminate the symptoms of coronary artery disease) performed | OECD (2005) |
| surg\_corstent | Number of coronary stenting procedures performed. This is a particular type of percutaneous coronary intervention | OECD (2005) |
| surg\_csection | Number of Caesarean sections performed | OECD (2005) |
| surg\_hernia | Number procedures performed to correct inguinal and femoral hernias (the most common types) | OECD (2005) |
| surg\_hipreplace | Number of hip replacement surgeries performed | OECD (2005) |
| surg\_hysterectomy | Number of vaginal hysterectomies performed (does not include abdominal or laparoscopic procedures) | OECD (2005) |
| surg\_kneereplace | Number of knee replacement surgeries | OECD (2005) |
| surg\_lapcholecyst | Number of cholecystectomies (gallbladder removals) performed laparoscopically | OECD (2005) |
| surg\_mastectomy | Number of mastectomies performed | OECD (2005) |

surg\_pacemaker Number of pacemaker implantation procedures performed OECD (2005)

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| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| surg\_prostatetrans | Number of transurethral prostatectomies performed. This is the most common type of prostatectomy procedure | OECD (2005) |
| surg\_prostatextrans | Number of non‐transurethral prostatectomies performed. This category of procedures tends to include more advanced prostatectomy procedures | OECD (2005) |
| surg\_tonsil | Percent of tonsillectomies (with or without adenoidectomy) performed | OECD (2005) |
| surg\_varicosevein | Number of varicose vein correction procedures (including litigation and stripping) performed | OECD (2005) |
| telegram | Number of telegrams sent | Mitchell (1998) |
| telephone | Number of mainline telephone lines connecting a customer's equipment to the public switched telephone network as of year end | Mitchell (1998),  WORLD BANK (2007) |
| transplant\_bonemarrow | Number of bone marrow transplants performed | OECD (2005) |
| transplant\_heart | Number of heart transplants performed | OECD (2005) |
| transplant\_kidney | Number of kidney transplants performed | OECD (2005) |
| transplant\_liver | Number of liver transplants performed | OECD (2005) |
| transplant\_lung | Number of lung transplants performed. | OECD (2005) |
| tv | Number of television sets in use | Banks (2004) and  WORLD BANK (2007) |
| txtlmat\_artif | Weight of artificial (cellulosic) fibers used in spindles | International Cotton Bulletin (various years) |
| txtlmat\_otherraw | Weight of other types (besides artificial, synthetic, and standard raw cotton) of fibers used in spindles | International Cotton Bulletin (various years) |
| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| txtlmat\_synth | Weight of synthetic (non‐cellulosic) fibers used in spindles | International Cotton Bulletin (various years) |
| txtlmat\_totalraw | Weight of all types of fibers used in spindles | International Cotton Bulletin (various years) |
| vehicle\_car | Number of passenger cars (excluding tractors and similar vehicles) in use. Numbers typically derived from registration and licensing records, meaning that vehicles out of use may occasionally be included. | Mitchell (1998),  WORLD BANK (2007) |
| vehicle\_com | Number of commercial vehicles, typically including buses and taxis (excluding tractors and similar vehicles), in use. Numbers typically derived from) registration and licensing records, meaning that vehicles out of use may occasionally be included | Mitchell (1998) |
| visitorbeds | Number of visitor beds available in hotels and elsewhere | World Tourism Organization (various years) |
| visitorrooms | Number of visitor rooms available in hotels and elsewhere. | World Tourism Organization (various years) |
| xlpopulation | Population | Maddison (2007), Mitchell (1998),  Penn World Table  (2007) |
| xlrealgdp | Scaled level of real GDP | Maddison (2007),  Mitchell (1998),  Penn World Table  (2007) |
| pctivprimeenroll | Primary school enrollment rate | Mitchell and Banks |

pctivsecenroll Secondary school enrollment rate Mitchell and Banks

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| **VARIABLE NAME** | **DEFINITION** | **SOURCE** |
| pctivprivateinv | Private investment as a share of GDP | Penn World Table (2007) |
| pctivpublicinv | Public investment as a share of GDP | Penn World Table (2007) |
| pctivliteracy | Percent literate (usually calculated on the basis of non‐literate (unable to read and write) 15 years and older) | Banks (2004) |