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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

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Year	Country	Population (millions)	GDP (billions of USD)	Life expectancy (years)	Infant mortality rate (per 1,000 live births)	Renewable energy consumption (% of total)
2010	USA	310	14,980	78.4	12.1	10.1
2011	USA	312	15,380	78.6	11.9	10.3
2012	USA	314	15,780	78.8	11.7	10.5
2013	USA	316	16,180	79.0	11.5	10.7
2014	USA	318	16,580	79.2	11.3	10.9
2015	USA	320	16,980	79.4	11.1	11.1
2016	USA	322	17,380	79.6	10.9	11.3
2017	USA	324	17,780	79.8	10.7	11.5
2018	USA	326	18,180	80.0	10.5	11.7
2019	USA	328	18,580	80.2	10.3	11.9
2020	USA	330	18,980	80.4	10.1	12.1
2010	China	137	5,880	74.8	21.1	16.7
2011	China	138	6,080	75.0	20.9	16.9
2012	China	139	6,280	75.2	20.7	17.1
2013	China	140	6,480	75.4	20.5	17.3
2014	China	141	6,680	75.6	20.3	17.5
2015	China	142	6,880	75.8	20.1	17.7
2016	China	143	7,080	76.0	19.9	17.9
2017	China	144	7,280	76.2	19.7	18.1
2018	China	145	7,480	76.4	19.5	18.3
2019	China	146	7,680	76.6	19.3	18.5
2020	China	147	7,880	76.8	19.1	18.7
2010	India	110	2,080	69.4	30.1	10.1
2011	India	111	2,180	69.6	29.9	10.3
2012	India	112	2,280	69.8	29.7	10.5
2013	India	113	2,380	70.0	29.5	10.7
2014	India	114	2,480	70.2	29.3	10.9
2015	India	115	2,580	70.4	29.1	11.1
2016	India	116	2,680	70.6	28.9	11.3
2017	India	117	2,780	70.8	28.7	11.5
2018	India	118	2,880	71.0	28.5	11.7
2019	India	119	2,980	71.2	28.3	11.9
2020	India	120	3,080	71.4	28.1	12.1
2010	Germany	82	3,580	80.6	7.1	20.1
2011	Germany	82	3,680	80.8	6.9	20.3
2012	Germany	82	3,780	81.0	6.7	20.5
2013	Germany	82	3,880	81.2	6.5	20.7
2014	Germany	82	3,980	81.4	6.3	20.9
2015	Germany	82	4,080	81.6	6.1	21.1
2016	Germany	82	4,180	81.8	5.9	21.3
2017	Germany	82	4,280	82.0	5.7	21.5
2018	Germany	82	4,380	82.2	5.5	21.7
2019	Germany	82	4,480	82.4	5.3	21.9
2020	Germany	82	4,580	82.6	5.1	22.1
2010	Japan	127	5,080	84.4	4.1	25.1
2011	Japan	127	5,180	84.6	3.9	25.3
2012	Japan	127	5,280	84.8	3.7	25.5
2013	Japan	127	5,380	85.0	3.5	25.7
2014	Japan	127	5,480	85.2	3.3	25.9
2015	Japan	127	5,580	85.4	3.1	26.1
2016	Japan	127	5,680	85.6	2.9	26.3
2017	Japan	127	5,780	85.8	2.7	26.5
2018	Japan	127	5,880	86.0	2.5	26.7
2019	Japan	127	5,980	86.2	2.3	26.9
2020	Japan					

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1. *Journal of the American Medical Association*, 2000; 283: 2689-2696.

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	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

1. The first step in the process of creating a new product is to identify a market need. This involves conducting market research to understand what customers want and what problems they are facing. Once a need is identified, the next step is to develop a concept that addresses this need. This is often done through brainstorming sessions with a team of designers and engineers. The concept is then refined through prototyping and testing, ensuring that it meets the requirements of the market. Finally, the product is launched and its performance is monitored to ensure it continues to meet the needs of the market.

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1. *Introduction*  
 2. *Background*  
 3. *Methods*  
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relatively low, but the rate of the other two types of the frauds increased. The frauds of the first type were 10% in 2000, 12% in 2001, 13% in 2002, 14% in 2003, 15% in 2004, 16% in 2005, 17% in 2006, 18% in 2007, 19% in 2008, 20% in 2009, 21% in 2010, 22% in 2011, 23% in 2012, 24% in 2013, 25% in 2014, 26% in 2015, 27% in 2016, 28% in 2017, 29% in 2018, 30% in 2019, 31% in 2020, 32% in 2021, 33% in 2022, 34% in 2023, 35% in 2024, 36% in 2025, 37% in 2026, 38% in 2027, 39% in 2028, 40% in 2029, 41% in 2030, 42% in 2031, 43% in 2032, 44% in 2033, 45% in 2034, 46% in 2035, 47% in 2036, 48% in 2037, 49% in 2038, 50% in 2039, 51% in 2040, 52% in 2041, 53% in 2042, 54% in 2043, 55% in 2044, 56% in 2045, 57% in 2046, 58% in 2047, 59% in 2048, 60% in 2049, 61% in 2050, 62% in 2051, 63% in 2052, 64% in 2053, 65% in 2054, 66% in 2055, 67% in 2056, 68% in 2057, 69% in 2058, 70% in 2059, 71% in 2060, 72% in 2061, 73% in 2062, 74% in 2063, 75% in 2064, 76% in 2065, 77% in 2066, 78% in 2067, 79% in 2068, 80% in 2069, 81% in 2070, 82% in 2071, 83% in 2072, 84% in 2073, 85% in 2074, 86% in 2075, 87% in 2076, 88% in 2077, 89% in 2078, 90% in 2079, 91% in 2080, 92% in 2081, 93% in 2082, 94% in 2083, 95% in 2084, 96% in 2085, 97% in 2086, 98% in 2087, 99% in 2088, 100% in 2089, 101% in 2090, 102% in 2091, 103% in 2092, 104% in 2093, 105% in 2094, 106% in 2095, 107% in 2096, 108% in 2097, 109% in 2098, 110% in 2099, 111% in 2100, 112% in 2101, 113% in 2102, 114% in 2103, 115% in 2104, 116% in 2105, 117% in 2106, 118% in 2107, 119% in 2108, 120% in 2109, 121% in 2110, 122% in 2111, 123% in 2112, 124% in 2113, 125% in 2114, 126% in 2115, 127% in 2116, 128% in 2117, 129% in 2118, 130% in 2119, 131% in 2120, 132% in 2121, 133% in 2122, 134% in 2123, 135% in 2124, 136% in 2125, 137% in 2126, 138% in 2127, 139% in 2128, 140% in 2129, 141% in 2130, 142% in 2131, 143% in 2132, 144% in 2133, 145% in 2134, 146% in 2135, 147% in 2136, 148% in 2137, 149% in 2138, 150% in 2139, 151% in 2140, 152% in 2141, 153% in 2142, 154% in 2143, 155% in 2144, 156% in 2145, 157% in 2146, 158% in 2147, 159% in 2148, 160% in 2149, 161% in 2150, 162% in 2151, 163% in 2152, 164% in 2153, 165% in 2154, 166% in 2155, 167% in 2156, 168% in 2157, 169% in 2158, 170% in 2159, 171% in 2160, 172% in 2161, 173% in 2162, 174% in 2163, 175% in 2164, 176% in 2165, 177% in 2166, 178% in 2167, 179% in 2168, 180% in 2169, 181% in 2170, 182% in 2171, 183% in 2172, 184% in 2173, 185% in 2174, 186% in 2175, 187% in 2176, 188% in 2177, 189% in 2178, 190% in 2179, 191% in 2180, 192% in 2181, 193% in 2182, 194% in 2183, 195% in 2184, 196% in 2185, 197% in 2186, 198% in 2187, 199% in 2188, 200% in 2189, 201% in 2190, 202% in 2191, 203% in 2192, 204% in 2193, 205% in 2194, 206% in 2195, 207% in 2196, 208% in 2197, 209% in 2198, 210% in 2199, 211% in 2200, 212% in 2201, 213% in 2202, 214% in 2203, 215% in 2204, 216% in 2205, 217% in 2206, 218% in 2207, 219% in 2208, 220% in 2209, 221% in 2210, 222% in 2211, 223% in 2212, 224% in 2213, 225% in 2214, 226% in 2215, 227% in 2216, 228% in 2217, 229% in 2218, 230% in 2219, 231% in 2220, 232% in 2221, 233% in 2222, 234% in 2223, 235% in 2224, 236% in 2225, 237% in 2226, 238% in 2227, 239% in 2228, 240% in 2229, 241% in 2230, 242% in 2231, 243% in 2232, 244% in 2233, 245% in 2234, 246% in 2235, 247% in 2236, 248% in 2237, 249% in 2238, 250% in 2239, 251% in 2240, 252% in 2241, 253% in 2242, 254% in 2243, 255% in 2244, 256% in 2245, 257% in 2246, 258% in 2247, 259% in 2248, 260% in 2249, 261% in 2250, 262% in 2251, 263% in 2252, 264% in 2253, 265% in 2254, 266% in 2255, 267% in 2256, 268% in 2257, 269% in 2258, 270% in 2259, 271% in 2260, 272% in 2261, 273% in 2262, 274% in 2263, 275% in 2264, 276% in 2265, 277% in 2266, 278% in 2267, 279% in 2268, 280% in 2269, 281% in 2270, 282% in 2271, 283% in 2272, 284% in 2273, 285% in 2274, 286% in 2275, 287% in 2276, 288% in 2277, 289% in 2278, 290% in 2279, 291% in 2280, 292% in 2281, 293% in 2282, 294% in 2283, 295% in 2284, 296% in 2285, 297% in 2286, 298% in 2287, 299% in 2288, 300% in 2289, 301% in 2290, 302% in 2291, 303% in 2292, 304% in 2293, 305% in 2294, 306% in 2295, 307% in 2296, 308% in 2297, 309% in 2298, 310% in 2299, 311% in 2300, 312% in 2301, 313% in 2302, 314% in 2303, 315% in 2304, 316% in 2305, 317% in 2306, 318% in 2307, 319% in 2308, 320% in 2309, 321% in 2310, 322% in 2311, 323% in 2312, 324% in 2313, 325% in 2314, 326% in 2315, 327% in 2316, 328% in 2317, 329% in 2318, 330% in 2319, 331% in 2320, 332% in 2321, 333% in 2322, 334% in 2323, 335% in 2324, 336% in 2325, 337% in 2326, 338% in 2327, 339% in 2328, 340% in 2329, 341% in 2330, 342% in 2331, 343% in 2332, 344% in 2333, 345% in 2334, 346% in 2335, 347% in 2336, 348% in 2337, 349% in 2338, 350% in 2339, 351% in 2340, 352% in 2341, 353% in 2342, 354% in 2343, 355% in 2344, 356% in 2345, 357%









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