

Table 1. Levels of Output and Input Per Capita and Productivity

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Output Per Capita							
1980	65.2	66.1	44.4	46.3	51.0	46.8	40.1
1989	80.9	76.1	55.9	55.8	61.6	58.2	56.6
1995	86.5	75.1	60.9	59.3	65.6	63.1	64.4
2000	100.0	86.0	68.6	65.8	71.2	68.8	70.9
Input Per Capita							
1980	71.3	61.5	54.7	44.2	47.5	42.4	58.1
1989	84.5	72.3	60.6	53.5	61.3	56.2	72.5
1995	89.2	72.7	65.0	58.2	75.5	60.3	78.3
2000	100.0	80.5	71.6	64.3	79.8	67.1	81.6
Productivity							
1980	91.4	107.9	81.2	104.8	107.3	110.5	69.1
1989	95.8	105.8	92.3	104.3	100.4	103.7	78.0
1995	97.0	103.8	93.6	102.0	86.9	104.6	82.3
2000	100.0	107.3	95.9	102.3	89.3	102.5	86.9

Note: U.S. = 100.0 in 2000, Canada data begins in 1981

Table 2. Growth Rate and Level in Output

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Growth Rate (percentage)							
1980-1989	3.32	2.96	2.72	2.61	2.15	2.47	4.41
1989-1995	2.34	1.00	1.65	1.49	1.67	1.51	2.51
1995-2000	4.05	3.63	2.64	2.44	1.78	1.90	2.13
Level (billions of 2000 U.S. Dollars)							
1980	5426.0	599.2	913.7	931.9	1459.1	965.8	1711.2
1989	7315.6	759.1	1167.0	1178.6	1770.8	1206.1	2543.9
1995	8417.4	805.9	1288.6	1288.7	1957.1	1320.2	2956.9
2000	10308.0	966.5	1470.1	1456.1	2139.2	1452.2	3288.6
Level (U.S. = 100.0 in 2000)							
1980	52.6	5.8	8.9	9.0	14.2	9.4	16.6
1989	71.0	7.4	11.3	11.4	17.2	11.7	24.7
1995	81.7	7.8	12.5	12.5	19.0	12.8	28.7
2000	100.0	9.4	14.3	14.1	20.8	14.1	31.9

Note: Canada data begins in 1981

Table 3. Growth Rate and Level in Population

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Growth Rate							
1980-1989	0.92	1.2	0.2	0.5	0.1	0.0	0.6
1989-1995	1.23	1.2	0.2	0.4	0.6	0.2	0.3
1995-2000	1.2	0.9	0.2	0.4	0.1	0.2	0.2
Level (millions)							
1980	227.7	24.8	56.3	55.1	78.3	56.4	116.8
1989	247.4	27.3	57.1	57.9	78.7	56.7	123.1
1995	266.3	29.4	58.0	59.4	81.7	57.3	125.6
2000	282.1	30.8	58.7	60.6	82.2	57.8	126.9
Level (U.S. = 100.0 in 2000)							
1980	80.7	8.8	20.0	19.5	27.8	20.0	41.4
1989	87.7	9.7	20.3	20.5	27.9	20.1	43.6
1995	94.4	10.4	20.5	21.1	28.9	20.3	44.5
2000	100.0	10.9	20.8	21.5	29.1	20.5	45.0

Note: Percentage, Canada data begins in 1981

Table 4. Growth in Output and Input Per Capita and Productivity

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Output per capita							
1980-1989	2.40	1.77	2.56	2.07	2.10	2.42	3.82
1989-1995	1.11	-0.22	1.41	1.04	1.05	1.32	2.18
1995-2000	2.90	2.69	2.40	2.06	1.65	1.74	1.91
Input Per Capita							
1980-1989	1.88	2.01	1.14	2.13	2.84	3.13	2.47
1989-1995	0.89	0.10	1.18	1.41	3.46	1.18	1.29
1995-2000	2.29	2.03	1.91	2.00	1.11	2.14	0.83
Productivity							
1980-1989	0.52	-0.24	1.42	-0.06	-0.74	-0.71	1.35
1989-1995	0.21	-0.32	0.23	-0.37	-2.41	0.15	0.89
1995-2000	0.61	0.66	0.49	0.06	0.54	-0.40	1.08

Note: Percentage, Canada data begins in 1981

Table 5. Levels of Capital Input and Capital Stock per capita and capital quality

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Capital Input Per Capita							
1980	59.1	44.7	31.9	33.0	44.9	35.8	30.0
1989	74.9	54.5	42.0	51.0	62.7	63.7	42.5
1995	82.4	56.6	50.0	56.9	73.4	74.4	51.3
2000	100.0	63.5	54.4	61.9	85.6	89.8	58.6
Capital Stock Per Capita							
1980	77.1	41.6	24.8	35.7	59.2	35.4	75.9
1989	88.7	47.2	31.8	41.7	66.8	51.6	81.6
1995	92.2	48.4	36.4	46.3	75.7	61.3	86.9
2000	100.0	53.3	42.8	50.3	82.5	69.6	90.5
Capital Quality							
1980	76.7	107.4	128.6	92.4	75.8	100.9	39.6
1989	84.4	115.4	132.0	122.2	93.9	123.4	52.1
1995	89.3	117.1	137.6	122.9	96.9	121.4	59.0
2000	100.0	119.2	127.2	123.2	103.7	129.0	64.7

Note: U.S. = 100.0 in 2000, Canada data begins in 1981

Table 6. Levels of IT Capital Input and Capital Stock per capita and capital quality

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
IT Capital Input Per Capita							
1980	5.6	1.8	2.7	2.9	6.1	5.1	0.7
1989	22.5	6.1	10.0	10.1	17.9	16.2	5.4
1995	41.5	14.4	19.2	17.0	31.0	27.1	10.8
2000	100.0	33.1	45.3	30.7	56.0	49.9	32.5
IT Capital Stock Per Capita							
1980	11.0	5.3	2.2	3.6	5.7	4.3	3.5
1989	30.1	10.0	9.4	10.6	15.5	12.9	10.9
1995	49.5	13.9	18.8	18.7	27.6	23.1	19.2
2000	100.0	20.5	40.8	33.4	47.9	41.4	58.0
Capital Quality							
1980	51.0	34.0	119.7	81.4	105.9	118.1	20.0
1989	74.7	61.3	105.6	95.2	115.7	125.1	49.8
1995	83.8	103.9	102.4	91.1	112.0	117.2	56.3
2000	100.0	161.0	111.0	91.9	116.8	120.5	55.9

Note: U.S. = 100.0 in 2000, Canada data begins in 1981

Table 7. Levels of Non-IT Capital Input and Capital Stock per capita and capital quality

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Non-IT Capital Input Per Capita							
1980	75.3	55.7	38.3	37.8	52.3	42.3	39.7
1989	87.7	64.8	48.5	57.4	70.9	73.4	52.0
1995	91.0	64.4	56.2	63.2	80.8	83.6	60.7
2000	100.0	68.6	56.0	67.0	90.3	96.9	63.4
Non-IT Capital Stock Per Capita							
1980	82.7	43.8	26.7	37.5	62.4	37.7	81.6
1989	92.7	49.1	33.3	43.3	69.5	54.0	86.7
1995	94.7	50.0	37.5	47.6	78.0	63.4	91.7
2000	100.0	54.7	42.9	51.0	84.0	71.0	93.1
Capital Quality							
1980	91.1	127.1	143.7	100.7	83.8	112.4	48.7
1989	94.6	132.1	145.4	132.7	102.0	135.8	60.0
1995	96.0	128.8	150.1	132.9	103.5	131.8	66.2
2000	100.0	125.4	130.5	131.4	107.5	136.5	68.1

Note: U.S. = 100.0 in 2000, Canada data begins in 1981

Table 8. Growth in Capital Input and Capital Stock Per Capita and Capital Quality

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Capital Input Per Capita							
1980-1989	2.62	2.46	3.03	4.85	3.72	6.42	3.86
1989-1995	1.59	0.65	2.94	1.83	2.61	2.59	3.13
1995-2000	3.64	2.30	1.68	1.69	3.07	3.74	2.68
Capital Stock Per Capita							
1980-1989	1.55	1.57	2.74	1.74	1.34	4.18	0.81
1989-1995	0.65	0.60	2.25	1.74	2.09	2.87	1.06
1995-2000	1.62	1.94	3.25	1.65	1.71	2.54	0.81
Capital Quality							
1980-1989	1.07	0.89	0.29	3.11	2.38	2.23	3.05
1989-1995	0.94	0.05	0.68	0.09	0.51	-0.27	2.06
1995-2000	2.02	0.37	-1.56	0.04	1.36	1.21	1.87

Note: Percentage, Canada data begins in 1981

Table 9. Growth in IT Capital Input and Capital Stock Per Capita and Capital Quality

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
IT Capital Input Per Capita							
1980-1989	15.42	15.20	14.70	13.81	12.06	12.93	22.74
1989-1995	10.22	14.33	10.90	8.67	9.11	8.59	11.57
1995-2000	17.59	16.59	17.15	11.81	11.83	12.18	21.98
IT Capital Stock Per Capita							
1980-1989	11.18	7.83	16.08	12.07	11.08	12.29	12.61
1989-1995	8.32	5.53	11.42	9.40	9.65	9.68	9.52
1995-2000	14.05	7.83	15.53	11.66	10.99	11.63	22.10
Capital Quality							
1980-1989	4.24	7.37	-1.39	1.74	0.98	0.64	10.13
1989-1995	1.91	8.80	-0.52	-0.73	-0.54	-1.09	2.04
1995-2000	3.54	8.76	1.62	0.16	0.84	0.55	-0.12

Note: Percentage, Canada data begins in 1981

Table 10. Growth in Non-IT Capital Input and Capital Stock Per Capita and Capital Quality

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Non-IT Capital Input Per Capita							
1980-1989	1.69	1.90	2.60	4.65	3.37	6.11	3.00
1989-1995	0.61	-0.12	2.48	1.60	2.18	2.19	2.57
1995-2000	1.90	1.28	-0.09	1.16	2.22	2.94	0.86
Non-IT Capital Stock Per Capita							
1980-1989	1.26	1.43	2.47	1.59	1.19	4.01	0.68
1989-1995	0.36	0.29	1.95	1.58	1.93	2.68	0.94
1995-2000	1.09	1.82	2.71	1.39	1.48	2.25	0.29
Capital Quality							
1980-1989	0.42	0.47	0.13	3.07	2.18	2.10	2.32
1989-1995	0.25	-0.41	0.53	0.03	0.25	-0.49	1.64
1995-2000	0.81	-0.54	-2.80	-0.23	0.75	0.69	0.56

Note: Percentage, Canada data begins in 1981

Table 11. Levels of Labor Input and Hours Worked Per Capita and Labor Quality

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Labor Input Per Capita							
1980	81.1	78.6	78.8	61.6	49.4	46.8	91.8
1989	91.9	89.8	77.8	56.5	60.9	51.4	104.8
1995	94.2	88.2	78.0	59.2	77.6	52.1	104.4
2000	100.0	96.5	86.5	66.9	75.9	54.8	102.1
Hours Worked Per Capita							
1980	89.7	95.1	92.8	78.2	43.2	60.0	116.9
1989	97.1	100.7	93.2	68.1	53.9	63.5	116.7
1995	95.9	95.1	89.6	65.4	73.8	62.2	109.9
2000	100.0	100.5	96.2	68.2	72.3	64.3	104.9
Labor Quality							
1980	90.4	82.7	85.0	78.8	114.2	78.0	78.6
1989	94.7	89.2	83.5	82.9	113.0	80.9	89.9
1995	98.2	92.8	87.0	90.5	105.0	83.9	95.0
2000	100.0	96.0	89.9	98.1	105.0	85.2	97.3

Note: U.S. = 100.0 in 2000, Canada data begins in 1981

Table 12. Growth in Labor Input and Hours Worked Per Capita and Labor Quality

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Labor Input Per Capita							
1980-1989	1.38	1.67	-0.14	-0.97	2.33	1.03	1.47
1989-1995	0.41	-0.30	0.03	0.79	4.03	0.25	-0.08
1995-2000	1.20	1.79	2.07	2.44	-0.42	1.00	-0.44
Hours Worked Per Capita							
1980-1989	0.87	0.72	0.05	-1.53	2.45	0.62	-0.02
1989-1995	-0.21	-0.96	-0.65	-0.67	5.24	-0.36	-0.99
1995-2000	0.84	1.10	1.42	0.83	-0.42	0.68	-0.93
Labor Quality							
1980-1989	0.51	0.95	-0.19	0.57	-0.12	0.40	1.50
1989-1995	0.61	0.65	0.67	1.46	-1.21	0.61	0.92
1995-2000	0.36	0.69	0.65	1.60	-0.01	0.32	0.49

Note: Percentage, Canada data begins in 1981

Table 13. Contribution of Total Capital, IT Capital and Non-IT Capital to Output Growth

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Total Capital							
1980-1989	1.45	1.62	1.34	2.93	1.39	1.62	1.85
1989-1995	1.14	0.81	1.29	1.36	1.33	0.81	1.47
1995-2000	2.06	1.51	0.83	1.21	1.41	1.63	1.18
IT Capital							
1980-1989	0.46	0.31	0.22	0.23	0.17	0.23	0.43
1989-1995	0.47	0.35	0.23	0.22	0.23	0.22	0.31
1995-2000	0.97	0.54	0.69	0.42	0.41	0.42	0.78
Non-IT Capital							
1980-1989	0.99	1.31	1.12	2.76	1.22	1.39	1.42
1989-1995	0.67	0.46	1.06	1.20	1.10	0.59	1.16
1995-2000	1.09	0.97	0.14	0.88	1.00	1.21	0.40

Note: Percentage. Contribution is growth rate times value share. Canada data begins in 1981

Table 14. Contribution of TFP, IT TFP, TFP from Non-IT Production to Output Growth

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
TFP							
1980-1989	0.52	-0.24	1.42	-0.06	-0.74	-0.24	1.35
1989-1995	0.21	-0.32	0.23	-0.37	-2.41	-0.32	0.89
1995-2000	0.61	0.66	0.49	0.06	0.54	-0.40	1.08
TFP from IT Production							
1980-1989	0.22	0.14	0.20	0.23	0.23	0.28	0.24
1989-1995	0.25	0.15	0.23	0.22	0.31	0.30	0.29
1995-2000	0.44	0.21	0.62	0.43	0.57	0.62	0.61
Non-IT TFP							
1980-1989	0.30	-0.38	1.22	-0.29	-0.97	-0.52	1.11
1989-1995	-0.04	-0.47	0.00	-0.59	-2.72	-0.62	0.60
1995-2000	0.17	0.45	-0.13	-0.37	-0.03	-1.02	0.47

Note: Percentage. Canada data begins in 1981

Table 15. Sources of Output Growth

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Labor							
1980-1989	1.35	1.57	-0.04	-0.26	1.50	1.57	1.20
1989-1995	0.98	0.51	0.13	0.50	2.75	0.51	0.14
1995-2000	1.38	1.46	1.32	1.18	-0.17	0.67	-0.14
IT Capital							
1980-1989	0.46	0.31	0.22	0.23	0.17	0.23	0.43
1989-1995	0.47	0.35	0.23	0.22	0.23	0.22	0.31
1995-2000	0.97	0.54	0.69	0.42	0.41	0.42	0.78
Non-IT Capital							
1980-1989	0.99	1.31	1.12	2.76	1.22	1.39	1.42
1989-1995	0.67	0.46	1.06	1.20	1.10	0.59	1.16
1995-2000	1.09	0.97	0.14	0.88	1.00	1.21	0.40
IT TFP							
1980-1989	0.22	0.14	0.20	0.23	0.23	0.28	0.24
1989-1995	0.25	0.15	0.23	0.22	0.31	0.30	0.29
1995-2000	0.44	0.21	0.62	0.43	0.57	0.62	0.61
Non-IT TFP							
1980-1989	0.30	-0.38	1.22	-0.29	-0.97	-0.52	1.11
1989-1995	-0.04	-0.47	0.00	-0.59	-2.72	-0.62	0.60
1995-2000	0.17	0.45	-0.13	-0.37	-0.03	-1.02	0.47

Note: Percentage. Contributions. Canada data begins in 1981

Table 16. Sources of Labor Productivity Growth

Year	U.S.	Canada	U.K.	France	Germany	Italy	Japan
Labor Quality							
1980-1989	0.30	0.53	-0.12	0.25	-0.07	0.25	0.87
1989-1995	0.36	0.38	0.40	0.59	-0.70	0.37	0.53
1995-2000	0.21	0.37	0.37	0.67	0.00	0.18	0.29
Capital Deepening							
1980-1989	0.71	0.77	1.21	3.41	0.46	2.26	1.62
1989-1995	0.73	0.68	1.43	1.49	-1.07	1.17	1.75
1995-2000	1.24	0.56	0.12	0.50	1.53	1.28	1.47
TFP							
1980-1989	0.52	-0.24	1.42	-0.06	-0.74	-0.24	1.35
1989-1995	0.21	-0.32	0.23	-0.37	-2.41	-0.32	0.89
1995-2000	0.61	0.66	0.49	0.06	0.54	-0.40	1.08

Note: Percentage. Contributions. Canada data begins in 1981