**Result of Batch train for merged data**

BEFORE 0.005

Correct 23

Incorrect 4359

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 114.195 1451 320 1596 0 0.819

02 102.086 1525 219 1643 0 0.874

03 99.851 1553 165 1645 0 0.904

04 98.027 1561 175 1671 0 0.899

05 98.542 1554 171 1653 0 0.901

06 97.490 1568 149 1659 0 0.913

07 97.425 1573 141 1661 0 0.918

08 97.863 1568 145 1655 0 0.915

09 96.101 1565 157 1661 0 0.909

10 97.538 1570 150 1664 0 0.913

Correct 1573

Incorrect 141

Baseline 0.005

Accuracy 0.918

BEFORE 0.005

Correct 23

Incorrect 4359

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 114.195 1451 320 1596 0 0.819

02 102.086 1525 219 1643 0 0.874

03 99.851 1553 165 1645 0 0.904

04 98.027 1561 175 1671 0 0.899

05 98.542 1554 171 1653 0 0.901

06 97.490 1568 149 1659 0 0.913

07 97.425 1573 141 1661 0 0.918

08 97.863 1568 145 1655 0 0.915

09 96.101 1565 157 1661 0 0.909

10 97.538 1570 150 1664 0 0.913

11 97.405 1569 136 1648 0 0.920

12 97.171 1568 141 1651 0 0.917

13 95.673 1571 133 1649 0 0.922

14 97.105 1572 132 1650 0 0.923

15 95.444 1569 124 1636 0 0.927

16 96.353 1574 132 1654 0 0.923

17 96.362 1568 133 1643 0 0.922

18 95.892 1571 133 1649 0 0.922

19 96.506 1571 130 1646 0 0.924

20 96.492 1572 126 1644 0 0.926

21 96.781 1571 128 1644 0 0.925

22 96.076 1567 125 1633 0 0.926

23 95.819 1564 130 1632 0 0.923

24 96.870 1567 121 1629 0 0.928

25 96.655 1570 126 1640 0 0.926

26 96.045 1571 126 1642 0 0.926

27 95.493 1567 132 1640 0 0.922

28 96.253 1571 129 1645 0 0.924

29 96.573 1568 128 1638 0 0.925

30 95.994 1573 132 1652 0 0.923

31 96.739 1567 138 1646 0 0.919

32 96.859 1568 135 1645 0 0.921

33 96.973 1568 133 1643 0 0.922

34 95.730 1567 131 1639 0 0.923

35 96.049 1568 133 1643 0 0.922

36 97.009 1565 130 1634 0 0.923

37 96.126 1569 132 1644 0 0.922

38 96.689 1570 135 1649 0 0.921

39 96.968 1561 139 1635 0 0.918

40 96.893 1569 130 1642 0 0.923

41 96.056 1568 138 1648 0 0.919

42 96.126 1571 138 1654 0 0.919

43 95.770 1568 141 1651 0 0.917

44 96.279 1568 141 1651 0 0.917

45 95.630 1559 143 1635 0 0.916

46 96.888 1558 142 1632 0 0.916

47 96.242 1560 137 1631 0 0.919

48 96.766 1560 135 1629 0 0.920

49 97.132 1563 129 1629 0 0.924

50 96.384 1556 135 1621 0 0.920

Correct 1567

Incorrect 121

Baseline 0.005

Accuracy 0.928

BEFORE 0.005

Correct 23

Incorrect 4359

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 29.855 1383 373 1513 0 0.788

02 25.610 1490 262 1616 0 0.850

03 25.222 1529 211 1643 0 0.879

04 24.681 1548 194 1664 0 0.889

05 24.762 1542 194 1652 0 0.888

06 24.316 1543 161 1621 0 0.906

07 24.361 1565 154 1658 0 0.910

08 24.255 1570 146 1660 0 0.915

09 24.313 1567 143 1651 0 0.916

10 24.135 1565 143 1647 0 0.916

11 24.018 1563 147 1647 0 0.914

12 24.269 1560 148 1642 0 0.913

13 24.045 1563 150 1650 0 0.912

14 24.133 1564 144 1646 0 0.916

15 24.008 1562 144 1642 0 0.916

16 24.077 1564 143 1645 0 0.916

17 24.096 1565 145 1649 0 0.915

18 24.026 1567 146 1654 0 0.915

19 24.117 1569 135 1647 0 0.921

20 24.102 1563 145 1645 0 0.915

21 24.034 1565 147 1651 0 0.914

22 24.058 1569 139 1651 0 0.919

23 23.945 1570 136 1650 0 0.920

24 23.932 1572 133 1651 0 0.922

25 24.057 1575 132 1656 0 0.923

26 23.966 1569 145 1657 0 0.915

27 23.983 1568 144 1654 0 0.916

28 24.015 1569 141 1653 0 0.918

29 24.146 1569 141 1653 0 0.918

30 23.882 1570 132 1646 0 0.922

31 24.101 1572 129 1647 0 0.924

32 23.934 1569 136 1648 0 0.920

33 23.865 1571 129 1645 0 0.924

34 24.204 1567 134 1642 0 0.921

35 23.953 1571 128 1644 0 0.925

36 23.989 1568 131 1641 0 0.923

37 23.945 1571 134 1650 0 0.921

38 24.082 1575 130 1654 0 0.924

39 24.080 1574 132 1654 0 0.923

40 24.071 1569 134 1646 0 0.921

41 24.067 1571 134 1650 0 0.921

42 24.148 1570 142 1656 0 0.917

43 23.846 1571 131 1647 0 0.923

44 23.943 1570 134 1648 0 0.921

45 24.009 1569 135 1647 0 0.921

46 24.096 1567 135 1643 0 0.921

47 23.936 1565 134 1638 0 0.921

48 23.908 1564 133 1635 0 0.922

49 24.197 1561 133 1629 0 0.921

50 24.009 1562 136 1634 0 0.920

Correct 1571

Incorrect 128

Baseline 0.005

Accuracy 0.925

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.2 Batch size: 16 Iterations: 10

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 114.946 1557 379 1784 0 0.804

02 102.093 1603 267 1764 0 0.857

03 100.059 1634 215 1774 0 0.884

04 98.036 1633 212 1769 0 0.885

05 98.585 1641 191 1764 0 0.896

06 97.321 1642 186 1761 0 0.898

07 97.080 1652 146 1741 0 0.919

08 97.307 1654 148 1747 0 0.918

09 95.582 1655 152 1753 0 0.916

10 96.976 1655 152 1753 0 0.916

Correct 1652

Incorrect 146

Baseline 0.005

Accuracy 0.919

Model: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_label\_01\_2\_test\_02

Training data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_label\_01\_2\_test\_02\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_label\_01\_2\_test\_02\evaluation.jsonl

(base) C:\Users\moha\Documents\Prodigy\Last\_version\_data>

python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_01 --n-iter 30 --eval-split 0.2 --dropout 0.2 --no-missing --batch-size 32

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.2 Batch size: 32 Iterations: 30

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 30.157 1484 435 1694 0 0.773

02 25.616 1575 306 1747 0 0.837

03 25.160 1608 262 1769 0 0.860

04 24.729 1626 237 1780 0 0.873

05 24.756 1622 220 1755 0 0.881

06 24.248 1632 204 1759 0 0.889

07 24.315 1637 178 1743 0 0.902

08 24.172 1647 162 1747 0 0.910

09 24.171 1645 150 1731 0 0.916

10 24.011 1639 161 1730 0 0.911

11 23.908 1638 156 1723 0 0.913

12 24.130 1648 155 1742 0 0.914

13 23.913 1643 157 1734 0 0.913

14 23.997 1647 163 1748 0 0.910

15 23.901 1646 160 1743 0 0.911

16 23.961 1642 158 1733 0 0.912

17 23.912 1650 154 1745 0 0.915

18 23.871 1650 147 1738 0 0.918

19 23.949 1645 159 1740 0 0.912

20 23.929 1650 153 1744 0 0.915

21 23.891 1643 160 1737 0 0.911

22 23.916 1649 152 1741 0 0.916

23 23.822 1651 157 1750 0 0.913

24 23.806 1654 144 1743 0 0.920

25 23.910 1652 151 1746 0 0.916

26 23.780 1648 151 1738 0 0.916

27 23.841 1653 147 1744 0 0.918

28 23.864 1643 152 1729 0 0.915

29 23.975 1648 154 1741 0 0.915

30 23.691 1646 147 1730 0 0.918

Correct 1654

Incorrect 144

Baseline 0.005

Accuracy 0.920

Model: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_01

Training data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_01\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_01\evaluation.jsonl

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.2 Batch size: 32 Iterations: 50

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 30.157 1484 435 1694 0 0.773

02 25.616 1575 306 1747 0 0.837

03 25.160 1608 262 1769 0 0.860

04 24.729 1626 237 1780 0 0.873

05 24.756 1622 220 1755 0 0.881

06 24.248 1632 204 1759 0 0.889

07 24.315 1637 178 1743 0 0.902

08 24.172 1647 162 1747 0 0.910

09 24.171 1645 150 1731 0 0.916

10 24.011 1639 161 1730 0 0.911

11 23.908 1638 156 1723 0 0.913

12 24.130 1648 155 1742 0 0.914

13 23.913 1643 157 1734 0 0.913

14 23.997 1647 163 1748 0 0.910

15 23.901 1646 160 1743 0 0.911

16 23.961 1642 158 1733 0 0.912

17 23.912 1650 154 1745 0 0.915

18 23.871 1650 147 1738 0 0.918

19 23.949 1645 159 1740 0 0.912

20 23.929 1650 153 1744 0 0.915

21 23.891 1643 160 1737 0 0.911

22 23.916 1649 152 1741 0 0.916

23 23.822 1651 157 1750 0 0.913

24 23.806 1654 144 1743 0 0.920

25 23.910 1652 151 1746 0 0.916

26 23.780 1648 151 1738 0 0.916

27 23.841 1653 147 1744 0 0.918

28 23.864 1643 152 1729 0 0.915

29 23.975 1648 154 1741 0 0.915

30 23.691 1646 147 1730 0 0.918

31 23.959 1649 143 1732 0 0.920

32 23.810 1647 143 1728 0 0.920

33 23.745 1648 143 1730 0 0.920

34 24.077 1650 143 1734 0 0.920

35 23.737 1647 150 1735 0 0.917

36 23.815 1648 146 1733 0 0.919

37 23.872 1653 138 1735 0 0.923

38 23.936 1652 146 1741 0 0.919

39 23.890 1650 150 1741 0 0.917

40 23.929 1646 151 1734 0 0.916

41 23.890 1643 149 1726 0 0.917

42 24.018 1645 152 1733 0 0.915

43 23.718 1639 155 1724 0 0.914

44 23.798 1643 150 1727 0 0.916

45 23.834 1644 152 1731 0 0.915

46 23.917 1645 158 1739 0 0.912

47 23.775 1639 159 1728 0 0.912

48 23.805 1634 164 1723 0 0.909

49 23.998 1641 159 1732 0 0.912

50 23.814 1645 155 1736 0 0.914

Correct 1653

Incorrect 138

Baseline 0.005

Accuracy 0.923

Model: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_03

Training data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_03\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_03\evaluation.jsonl

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 17.142 1491 386 1659 0 0.794

02 12.968 1582 266 1721 0 0.856

03 12.533 1599 232 1721 0 0.873

04 12.219 1616 202 1725 0 0.889

05 12.210 1628 201 1748 0 0.890

06 11.691 1620 179 1710 0 0.901

07 11.851 1632 173 1728 0 0.904

08 11.762 1626 166 1709 0 0.907

09 11.800 1634 159 1718 0 0.911

10 11.547 1636 155 1718 0 0.913

11 11.649 1643 166 1743 0 0.908

12 11.715 1642 160 1735 0 0.911

13 11.636 1642 159 1734 0 0.912

14 11.602 1644 163 1742 0 0.910

15 11.596 1638 155 1722 0 0.914

16 11.649 1651 140 1733 0 0.922

17 11.473 1647 149 1734 0 0.917

18 11.526 1642 145 1720 0 0.919

19 11.502 1649 147 1736 0 0.918

20 11.514 1647 156 1741 0 0.913

21 11.404 1643 165 1742 0 0.909

22 11.508 1648 159 1746 0 0.912

23 11.453 1650 158 1749 0 0.913

24 11.520 1647 145 1730 0 0.919

25 11.502 1649 159 1748 0 0.912

26 11.588 1648 156 1743 0 0.914

27 11.582 1649 151 1740 0 0.916

28 11.422 1649 145 1734 0 0.919

29 11.473 1651 146 1739 0 0.919

30 11.428 1647 153 1738 0 0.915

31 11.594 1645 144 1725 0 0.920

32 11.433 1648 147 1734 0 0.918

33 11.319 1646 144 1727 0 0.920

34 11.632 1641 143 1716 0 0.920

35 11.599 1647 141 1726 0 0.921

36 11.540 1645 144 1725 0 0.920

37 11.484 1642 143 1718 0 0.920

38 11.540 1645 145 1726 0 0.919

39 11.726 1640 149 1720 0 0.917

40 11.697 1644 150 1729 0 0.916

41 11.525 1645 149 1730 0 0.917

42 11.556 1642 151 1726 0 0.916

43 11.509 1645 149 1730 0 0.917

44 11.419 1644 149 1728 0 0.917

45 11.554 1650 141 1732 0 0.921

46 11.708 1647 146 1731 0 0.919

47 11.472 1644 151 1730 0 0.916

48 11.476 1643 148 1725 0 0.917

49 11.701 1642 151 1726 0 0.916

50 11.514 1642 149 1724 0 0.917

Correct 1651

Incorrect 140

Baseline 0.005

Accuracy 0.922

(base) C:\Users\moha\Documents\Prodigy\Last\_version\_data>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_04 --n-iter 50 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 32

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.4 Batch size: 32 Iterations: 50

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 51.947 1172 838 1473 0 0.583

02 45.993 1478 517 1764 0 0.741

03 44.868 1552 365 1760 0 0.810

04 44.411 1587 321 1786 0 0.832

05 44.304 1595 297 1778 0 0.843

06 44.075 1613 270 1787 0 0.857

07 43.953 1618 261 1788 0 0.861

08 43.897 1623 245 1782 0 0.869

09 43.828 1635 229 1790 0 0.877

10 43.868 1631 235 1788 0 0.874

11 43.573 1639 225 1794 0 0.879

12 43.772 1642 224 1799 0 0.880

13 43.610 1646 215 1798 0 0.884

14 43.655 1646 222 1805 0 0.881

15 43.611 1654 214 1813 0 0.885

16 43.580 1655 211 1812 0 0.887

17 43.404 1642 204 1779 0 0.889

18 43.437 1649 200 1789 0 0.892

19 43.329 1652 184 1779 0 0.900

20 43.694 1653 180 1777 0 0.902

21 43.497 1653 186 1783 0 0.899

22 43.148 1653 190 1787 0 0.897

23 43.441 1657 175 1780 0 0.904

24 43.386 1658 175 1782 0 0.905

25 43.486 1661 164 1777 0 0.910

26 43.121 1662 163 1778 0 0.911

27 43.340 1660 165 1776 0 0.910

28 43.428 1656 165 1768 0 0.909

29 43.545 1656 166 1769 0 0.909

30 43.237 1660 155 1766 0 0.915

31 43.124 1659 154 1763 0 0.915

32 43.324 1661 154 1767 0 0.915

33 43.095 1657 152 1757 0 0.916

34 43.499 1655 148 1749 0 0.918

35 43.410 1655 150 1751 0 0.917

36 43.253 1657 151 1756 0 0.916

37 43.414 1656 151 1754 0 0.916

38 43.395 1661 151 1764 0 0.917

39 43.209 1659 156 1765 0 0.914

40 43.263 1660 148 1759 0 0.918

41 43.251 1661 149 1762 0 0.918

42 43.310 1661 148 1761 0 0.918

43 43.273 1663 144 1761 0 0.920

44 43.008 1658 143 1750 0 0.921

45 43.381 1662 145 1760 0 0.920

46 43.263 1659 145 1754 0 0.920

47 43.273 1662 144 1759 0 0.920

48 43.118 1662 143 1758 0 0.921

49 43.530 1660 138 1749 0 0.923

50 43.165 1661 136 1749 0 0.924

Correct 1661

Incorrect 136

Baseline 0.005

Accuracy 0.924

Model: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_04

Training data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_04\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_04\evaluation.jsonl

(base) C:\Users\moha\Documents\Prodigy\Last\_version\_data>

(base) C:\Users\moha\Documents\Prodigy\Last\_version\_data>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_04 --n-iter 75 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 32

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.4 Batch size: 32 Iterations: 75

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 51.947 1172 838 1473 0 0.583

02 45.993 1478 517 1764 0 0.741

03 44.868 1552 365 1760 0 0.810

04 44.411 1587 321 1786 0 0.832

05 44.304 1595 297 1778 0 0.843

06 44.075 1613 270 1787 0 0.857

07 43.953 1618 261 1788 0 0.861

08 43.897 1623 245 1782 0 0.869

09 43.828 1635 229 1790 0 0.877

10 43.868 1631 235 1788 0 0.874

11 43.573 1639 225 1794 0 0.879

12 43.772 1642 224 1799 0 0.880

13 43.610 1646 215 1798 0 0.884

14 43.655 1646 222 1805 0 0.881

15 43.611 1654 214 1813 0 0.885

16 43.580 1655 211 1812 0 0.887

17 43.404 1642 204 1779 0 0.889

18 43.437 1649 200 1789 0 0.892

19 43.329 1652 184 1779 0 0.900

20 43.694 1653 180 1777 0 0.902

21 43.497 1653 186 1783 0 0.899

22 43.148 1653 190 1787 0 0.897

23 43.441 1657 175 1780 0 0.904

24 43.386 1658 175 1782 0 0.905

25 43.486 1661 164 1777 0 0.910

26 43.121 1662 163 1778 0 0.911

27 43.340 1660 165 1776 0 0.910

28 43.428 1656 165 1768 0 0.909

29 43.545 1656 166 1769 0 0.909

30 43.237 1660 155 1766 0 0.915

31 43.124 1659 154 1763 0 0.915

32 43.324 1661 154 1767 0 0.915

33 43.095 1657 152 1757 0 0.916

34 43.499 1655 148 1749 0 0.918

35 43.410 1655 150 1751 0 0.917

36 43.253 1657 151 1756 0 0.916

37 43.414 1656 151 1754 0 0.916

38 43.395 1661 151 1764 0 0.917

39 43.209 1659 156 1765 0 0.914

40 43.263 1660 148 1759 0 0.918

41 43.251 1661 149 1762 0 0.918

42 43.310 1661 148 1761 0 0.918

43 43.273 1663 144 1761 0 0.920

44 43.008 1658 143 1750 0 0.921

45 43.381 1662 145 1760 0 0.920

46 43.263 1659 145 1754 0 0.920

47 43.273 1662 144 1759 0 0.920

48 43.118 1662 143 1758 0 0.921

49 43.530 1660 138 1749 0 0.923

50 43.165 1661 136 1749 0 0.924

51 43.040 1661 130 1743 0 0.927

52 43.187 1661 135 1748 0 0.925

53 42.975 1663 132 1749 0 0.926

54 43.221 1662 133 1748 0 0.926

55 43.310 1662 130 1745 0 0.927

56 43.014 1658 132 1739 0 0.926

57 43.082 1661 134 1747 0 0.925

58 43.195 1659 132 1741 0 0.926

59 42.951 1658 127 1734 0 0.929

60 43.057 1658 125 1732 0 0.930

61 43.279 1659 137 1746 0 0.924

62 43.208 1659 134 1743 0 0.925

63 43.404 1660 138 1749 0 0.923

64 43.181 1659 138 1747 0 0.923

65 43.165 1659 137 1746 0 0.924

66 43.236 1661 137 1750 0 0.924

67 43.210 1660 137 1748 0 0.924

68 43.089 1659 138 1747 0 0.923

69 43.102 1663 133 1750 0 0.926

70 43.116 1659 131 1740 0 0.927

71 43.275 1663 133 1750 0 0.926

72 43.330 1664 129 1748 0 0.928

73 43.201 1661 125 1738 0 0.930

74 42.850 1662 124 1739 0 0.931

75 42.986 1664 123 1742 0 0.931

Correct 1664

Incorrect 123

Baseline 0.005

Accuracy 0.931

Model: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_04

Training data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_04\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_04\evaluation.jsonl

(base) C:\Users\moha\Documents\Prodigy>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_05 --n-iter 100 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 32

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.4 Batch size: 32 Iterations: 100

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 51.947 1172 838 1473 0 0.583

02 45.993 1478 517 1764 0 0.741

03 44.868 1552 365 1760 0 0.810

04 44.411 1587 321 1786 0 0.832

05 44.304 1595 297 1778 0 0.843

06 44.075 1613 270 1787 0 0.857

07 43.953 1618 261 1788 0 0.861

08 43.897 1623 245 1782 0 0.869

09 43.828 1635 229 1790 0 0.877

10 43.868 1631 235 1788 0 0.874

11 43.573 1639 225 1794 0 0.879

12 43.772 1642 224 1799 0 0.880

13 43.610 1646 215 1798 0 0.884

14 43.655 1646 222 1805 0 0.881

15 43.611 1654 214 1813 0 0.885

16 43.580 1655 211 1812 0 0.887

17 43.404 1642 204 1779 0 0.889

18 43.437 1649 200 1789 0 0.892

19 43.329 1652 184 1779 0 0.900

20 43.694 1653 180 1777 0 0.902

21 43.497 1653 186 1783 0 0.899

22 43.148 1653 190 1787 0 0.897

23 43.441 1657 175 1780 0 0.904

24 43.386 1658 175 1782 0 0.905

25 43.486 1661 164 1777 0 0.910

26 43.121 1662 163 1778 0 0.911

27 43.340 1660 165 1776 0 0.910

28 43.428 1656 165 1768 0 0.909

29 43.545 1656 166 1769 0 0.909

30 43.237 1660 155 1766 0 0.915

31 43.124 1659 154 1763 0 0.915

32 43.324 1661 154 1767 0 0.915

33 43.095 1657 152 1757 0 0.916

34 43.499 1655 148 1749 0 0.918

35 43.410 1655 150 1751 0 0.917

36 43.253 1657 151 1756 0 0.916

37 43.414 1656 151 1754 0 0.916

38 43.395 1661 151 1764 0 0.917

39 43.209 1659 156 1765 0 0.914

40 43.263 1660 148 1759 0 0.918

41 43.251 1661 149 1762 0 0.918

42 43.310 1661 148 1761 0 0.918

43 43.273 1663 144 1761 0 0.920

44 43.008 1658 143 1750 0 0.921

45 43.381 1662 145 1760 0 0.920

46 43.263 1659 145 1754 0 0.920

47 43.273 1662 144 1759 0 0.920

48 43.118 1662 143 1758 0 0.921

49 43.530 1660 138 1749 0 0.923

50 43.165 1661 136 1749 0 0.924

51 43.040 1661 130 1743 0 0.927

52 43.187 1661 135 1748 0 0.925

53 42.975 1663 132 1749 0 0.926

54 43.221 1662 133 1748 0 0.926

55 43.310 1662 130 1745 0 0.927

56 43.014 1658 132 1739 0 0.926

57 43.082 1661 134 1747 0 0.925

58 43.195 1659 132 1741 0 0.926

59 42.951 1658 127 1734 0 0.929

60 43.057 1658 125 1732 0 0.930

61 43.279 1659 137 1746 0 0.924

62 43.208 1659 134 1743 0 0.925

63 43.404 1660 138 1749 0 0.923

64 43.181 1659 138 1747 0 0.923

65 43.165 1659 137 1746 0 0.924

66 43.236 1661 137 1750 0 0.924

67 43.210 1660 137 1748 0 0.924

68 43.089 1659 138 1747 0 0.923

69 43.102 1663 133 1750 0 0.926

70 43.116 1659 131 1740 0 0.927

71 43.275 1663 133 1750 0 0.926

72 43.330 1664 129 1748 0 0.928

73 43.201 1661 125 1738 0 0.930

74 42.850 1662 124 1739 0 0.931

75 42.986 1664 123 1742 0 0.931

76 43.150 1664 123 1742 0 0.931

77 42.986 1664 122 1741 0 0.932

78 43.218 1667 121 1746 0 0.932

79 43.208 1669 121 1750 0 0.932

80 43.250 1668 120 1747 0 0.933

81 43.190 1668 121 1748 0 0.932

82 43.239 1666 124 1747 0 0.931

83 43.114 1665 122 1743 0 0.932

84 43.091 1663 123 1740 0 0.931

85 43.236 1666 121 1744 0 0.932

86 43.411 1663 126 1743 0 0.930

87 43.180 1661 129 1742 0 0.928

88 43.303 1664 126 1745 0 0.930

89 42.982 1665 131 1752 0 0.927

90 43.117 1661 136 1749 0 0.924

91 43.033 1660 134 1745 0 0.925

92 43.011 1663 130 1747 0 0.927

93 43.146 1665 131 1752 0 0.927

94 43.130 1659 134 1743 0 0.925

95 43.194 1662 133 1748 0 0.926

96 43.027 1661 136 1749 0 0.924

97 43.114 1660 140 1751 0 0.922

98 43.275 1659 140 1749 0 0.922

99 43.238 1661 140 1753 0 0.922

100 43.278 1662 134 1749 0 0.925

Correct 1668

Incorrect 120

Baseline 0.005

Accuracy 0.933

Model: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05

Training data: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05\evaluation.jsonl

(base) C:\Users\moha\Documents\Prodigy>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_06 --n-iter 125 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 32

(base) C:\Users\moha\Documents\Prodigy>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_05 --n-iter 100 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 32

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.4 Batch size: 32 Iterations: 100

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 51.947 1172 838 1473 0 0.583

02 45.993 1478 517 1764 0 0.741

03 44.868 1552 365 1760 0 0.810

04 44.411 1587 321 1786 0 0.832

05 44.304 1595 297 1778 0 0.843

06 44.075 1613 270 1787 0 0.857

07 43.953 1618 261 1788 0 0.861

08 43.897 1623 245 1782 0 0.869

09 43.828 1635 229 1790 0 0.877

10 43.868 1631 235 1788 0 0.874

11 43.573 1639 225 1794 0 0.879

12 43.772 1642 224 1799 0 0.880

13 43.610 1646 215 1798 0 0.884

14 43.655 1646 222 1805 0 0.881

15 43.611 1654 214 1813 0 0.885

16 43.580 1655 211 1812 0 0.887

17 43.404 1642 204 1779 0 0.889

18 43.437 1649 200 1789 0 0.892

19 43.329 1652 184 1779 0 0.900

20 43.694 1653 180 1777 0 0.902

21 43.497 1653 186 1783 0 0.899

22 43.148 1653 190 1787 0 0.897

23 43.441 1657 175 1780 0 0.904

24 43.386 1658 175 1782 0 0.905

25 43.486 1661 164 1777 0 0.910

26 43.121 1662 163 1778 0 0.911

27 43.340 1660 165 1776 0 0.910

28 43.428 1656 165 1768 0 0.909

29 43.545 1656 166 1769 0 0.909

30 43.237 1660 155 1766 0 0.915

31 43.124 1659 154 1763 0 0.915

32 43.324 1661 154 1767 0 0.915

33 43.095 1657 152 1757 0 0.916

34 43.499 1655 148 1749 0 0.918

35 43.410 1655 150 1751 0 0.917

36 43.253 1657 151 1756 0 0.916

37 43.414 1656 151 1754 0 0.916

38 43.395 1661 151 1764 0 0.917

39 43.209 1659 156 1765 0 0.914

40 43.263 1660 148 1759 0 0.918

41 43.251 1661 149 1762 0 0.918

42 43.310 1661 148 1761 0 0.918

43 43.273 1663 144 1761 0 0.920

44 43.008 1658 143 1750 0 0.921

45 43.381 1662 145 1760 0 0.920

46 43.263 1659 145 1754 0 0.920

47 43.273 1662 144 1759 0 0.920

48 43.118 1662 143 1758 0 0.921

49 43.530 1660 138 1749 0 0.923

50 43.165 1661 136 1749 0 0.924

51 43.040 1661 130 1743 0 0.927

52 43.187 1661 135 1748 0 0.925

53 42.975 1663 132 1749 0 0.926

54 43.221 1662 133 1748 0 0.926

55 43.310 1662 130 1745 0 0.927

56 43.014 1658 132 1739 0 0.926

57 43.082 1661 134 1747 0 0.925

58 43.195 1659 132 1741 0 0.926

59 42.951 1658 127 1734 0 0.929

60 43.057 1658 125 1732 0 0.930

61 43.279 1659 137 1746 0 0.924

62 43.208 1659 134 1743 0 0.925

63 43.404 1660 138 1749 0 0.923

64 43.181 1659 138 1747 0 0.923

65 43.165 1659 137 1746 0 0.924

66 43.236 1661 137 1750 0 0.924

67 43.210 1660 137 1748 0 0.924

68 43.089 1659 138 1747 0 0.923

69 43.102 1663 133 1750 0 0.926

70 43.116 1659 131 1740 0 0.927

71 43.275 1663 133 1750 0 0.926

72 43.330 1664 129 1748 0 0.928

73 43.201 1661 125 1738 0 0.930

74 42.850 1662 124 1739 0 0.931

75 42.986 1664 123 1742 0 0.931

76 43.150 1664 123 1742 0 0.931

77 42.986 1664 122 1741 0 0.932

78 43.218 1667 121 1746 0 0.932

79 43.208 1669 121 1750 0 0.932

80 43.250 1668 120 1747 0 0.933

81 43.190 1668 121 1748 0 0.932

82 43.239 1666 124 1747 0 0.931

83 43.114 1665 122 1743 0 0.932

84 43.091 1663 123 1740 0 0.931

85 43.236 1666 121 1744 0 0.932

86 43.411 1663 126 1743 0 0.930

87 43.180 1661 129 1742 0 0.928

88 43.303 1664 126 1745 0 0.930

89 42.982 1665 131 1752 0 0.927

90 43.117 1661 136 1749 0 0.924

91 43.033 1660 134 1745 0 0.925

92 43.011 1663 130 1747 0 0.927

93 43.146 1665 131 1752 0 0.927

94 43.130 1659 134 1743 0 0.925

95 43.194 1662 133 1748 0 0.926

96 43.027 1661 136 1749 0 0.924

97 43.114 1660 140 1751 0 0.922

98 43.275 1659 140 1749 0 0.922

99 43.238 1661 140 1753 0 0.922

100 43.278 1662 134 1749 0 0.925

Correct 1668

Incorrect 120

Baseline 0.005

Accuracy 0.933

Model: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05

Training data: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05\evaluation.jsonl

(base) C:\Users\moha\Documents\Prodigy>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_06 --n-iter 125 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 32

(base) C:\Users\moha\Documents\Prodigy>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_05 --n-iter 100 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 32

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.4 Batch size: 32 Iterations: 100

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 51.947 1172 838 1473 0 0.583

02 45.993 1478 517 1764 0 0.741

03 44.868 1552 365 1760 0 0.810

04 44.411 1587 321 1786 0 0.832

05 44.304 1595 297 1778 0 0.843

06 44.075 1613 270 1787 0 0.857

07 43.953 1618 261 1788 0 0.861

08 43.897 1623 245 1782 0 0.869

09 43.828 1635 229 1790 0 0.877

10 43.868 1631 235 1788 0 0.874

11 43.573 1639 225 1794 0 0.879

12 43.772 1642 224 1799 0 0.880

13 43.610 1646 215 1798 0 0.884

14 43.655 1646 222 1805 0 0.881

15 43.611 1654 214 1813 0 0.885

16 43.580 1655 211 1812 0 0.887

17 43.404 1642 204 1779 0 0.889

18 43.437 1649 200 1789 0 0.892

19 43.329 1652 184 1779 0 0.900

20 43.694 1653 180 1777 0 0.902

21 43.497 1653 186 1783 0 0.899

22 43.148 1653 190 1787 0 0.897

23 43.441 1657 175 1780 0 0.904

24 43.386 1658 175 1782 0 0.905

25 43.486 1661 164 1777 0 0.910

26 43.121 1662 163 1778 0 0.911

27 43.340 1660 165 1776 0 0.910

28 43.428 1656 165 1768 0 0.909

29 43.545 1656 166 1769 0 0.909

30 43.237 1660 155 1766 0 0.915

31 43.124 1659 154 1763 0 0.915

32 43.324 1661 154 1767 0 0.915

33 43.095 1657 152 1757 0 0.916

34 43.499 1655 148 1749 0 0.918

35 43.410 1655 150 1751 0 0.917

36 43.253 1657 151 1756 0 0.916

37 43.414 1656 151 1754 0 0.916

38 43.395 1661 151 1764 0 0.917

39 43.209 1659 156 1765 0 0.914

40 43.263 1660 148 1759 0 0.918

41 43.251 1661 149 1762 0 0.918

42 43.310 1661 148 1761 0 0.918

43 43.273 1663 144 1761 0 0.920

44 43.008 1658 143 1750 0 0.921

45 43.381 1662 145 1760 0 0.920

46 43.263 1659 145 1754 0 0.920

47 43.273 1662 144 1759 0 0.920

48 43.118 1662 143 1758 0 0.921

49 43.530 1660 138 1749 0 0.923

50 43.165 1661 136 1749 0 0.924

51 43.040 1661 130 1743 0 0.927

52 43.187 1661 135 1748 0 0.925

53 42.975 1663 132 1749 0 0.926

54 43.221 1662 133 1748 0 0.926

55 43.310 1662 130 1745 0 0.927

56 43.014 1658 132 1739 0 0.926

57 43.082 1661 134 1747 0 0.925

58 43.195 1659 132 1741 0 0.926

59 42.951 1658 127 1734 0 0.929

60 43.057 1658 125 1732 0 0.930

61 43.279 1659 137 1746 0 0.924

62 43.208 1659 134 1743 0 0.925

63 43.404 1660 138 1749 0 0.923

64 43.181 1659 138 1747 0 0.923

65 43.165 1659 137 1746 0 0.924

66 43.236 1661 137 1750 0 0.924

67 43.210 1660 137 1748 0 0.924

68 43.089 1659 138 1747 0 0.923

69 43.102 1663 133 1750 0 0.926

70 43.116 1659 131 1740 0 0.927

71 43.275 1663 133 1750 0 0.926

72 43.330 1664 129 1748 0 0.928

73 43.201 1661 125 1738 0 0.930

74 42.850 1662 124 1739 0 0.931

75 42.986 1664 123 1742 0 0.931

76 43.150 1664 123 1742 0 0.931

77 42.986 1664 122 1741 0 0.932

78 43.218 1667 121 1746 0 0.932

79 43.208 1669 121 1750 0 0.932

80 43.250 1668 120 1747 0 0.933

81 43.190 1668 121 1748 0 0.932

82 43.239 1666 124 1747 0 0.931

83 43.114 1665 122 1743 0 0.932

84 43.091 1663 123 1740 0 0.931

85 43.236 1666 121 1744 0 0.932

86 43.411 1663 126 1743 0 0.930

87 43.180 1661 129 1742 0 0.928

88 43.303 1664 126 1745 0 0.930

89 42.982 1665 131 1752 0 0.927

90 43.117 1661 136 1749 0 0.924

91 43.033 1660 134 1745 0 0.925

92 43.011 1663 130 1747 0 0.927

93 43.146 1665 131 1752 0 0.927

94 43.130 1659 134 1743 0 0.925

95 43.194 1662 133 1748 0 0.926

96 43.027 1661 136 1749 0 0.924

97 43.114 1660 140 1751 0 0.922

98 43.275 1659 140 1749 0 0.922

99 43.238 1661 140 1753 0 0.922

100 43.278 1662 134 1749 0 0.925

Correct 1668

Incorrect 120

Baseline 0.005

Accuracy 0.933

Model: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05

Training data: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\model\_merged\_all\_02\_05\evaluation.jsonl

(base) C:\Users\moha\Documents\Prodigy>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_06 --n-iter 125 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 32

(base) C:\Users\moha\Documents\Prodigy\Last\_version\_data>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_06 --n-iter 50 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 16

Loaded model en\_core\_web\_sm

Using 20% of accept/reject examples (1330) for evaluation

Using 100% of remaining examples (5332) for training

Dropout: 0.4 Batch size: 16 Iterations: 50

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 198.030 1401 624 1717 0 0.692

02 181.701 1524 407 1746 0 0.789

03 178.679 1575 326 1767 0 0.829

04 176.190 1609 275 1784 0 0.854

05 176.556 1623 263 1800 0 0.861

06 176.008 1623 245 1782 0 0.869

07 175.014 1639 229 1798 0 0.877

08 175.776 1638 232 1799 0 0.876

09 173.358 1655 218 1819 0 0.884

10 174.748 1639 225 1794 0 0.879

11 174.856 1647 221 1806 0 0.882

12 174.316 1645 228 1809 0 0.878

13 173.381 1649 198 1787 0 0.893

14 173.701 1652 205 1800 0 0.890

15 172.417 1652 191 1786 0 0.896

16 173.562 1649 199 1788 0 0.892

17 174.258 1654 193 1792 0 0.896

18 173.224 1654 173 1772 0 0.905

19 173.468 1650 176 1767 0 0.904

20 174.320 1652 170 1765 0 0.907

21 173.991 1653 168 1765 0 0.908

22 171.455 1655 162 1763 0 0.911

23 172.788 1655 164 1765 0 0.910

24 173.524 1649 166 1755 0 0.909

25 172.996 1653 168 1765 0 0.908

26 173.015 1650 166 1757 0 0.909

27 171.718 1646 155 1738 0 0.914

28 173.040 1647 164 1749 0 0.909

29 173.052 1650 162 1753 0 0.911

30 173.753 1654 159 1758 0 0.912

31 173.275 1652 159 1754 0 0.912

32 172.904 1656 158 1761 0 0.913

33 173.026 1655 157 1758 0 0.913

34 172.219 1652 154 1749 0 0.915

35 173.015 1654 151 1750 0 0.916

36 173.340 1650 153 1744 0 0.915

37 172.097 1660 148 1759 0 0.918

38 172.737 1660 157 1768 0 0.914

39 173.356 1663 156 1773 0 0.914

40 173.239 1657 163 1768 0 0.910

41 172.874 1660 152 1763 0 0.916

42 171.879 1657 159 1764 0 0.912

43 171.545 1658 156 1763 0 0.914

44 172.250 1658 152 1759 0 0.916

45 171.628 1650 157 1748 0 0.913

46 173.136 1653 158 1755 0 0.913

47 172.537 1654 160 1759 0 0.912

48 172.438 1650 162 1753 0 0.911

49 174.326 1652 164 1759 0 0.910

50 172.361 1657 159 1764 0 0.912

Correct 1660

Incorrect 148

Baseline 0.005

Accuracy 0.918

Model: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_06

Training data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_06\training.jsonl

Evaluation data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_06\evaluation.jsonl

(base) C:\Users\moha\Documents\Prodigy\Last\_version\_data>python -m prodigy ner.batch-train merged\_all\_02 en\_core\_web\_sm --output model\_merged\_all\_02\_06 --n-iter 50 --eval-split 0.2 --dropout 0.4 --no-missing --batch-size 16

Correct 1534

Incorrect 38

Baseline 0.009

Accuracy 0.976

Model: C:\Projects\_28\_06\notebooks\yeghaneh\ml\data\Model\_U07

Training data: C:\Projects\_28\_06\notebooks\yeghaneh\ml\data\Model\_U07\training.jsonl

Evaluation data: C:\Projects\_28\_06\notebooks\yeghaneh\ml\data\Model\_U07\evaluation.jsonl

C:\Projects\_28\_06\notebooks\yeghaneh\ml\data>python -m prodigy ner.batch-train data\_merged\_v02 en\_core\_web\_sm --output Model\_U07 --n-iter 300 --eval-split 0.2 --dropout 0.2 --no-missing