**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

(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\_02 --n-iter 50 --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: 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\_02

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

Evaluation data: C:\Users\moha\Documents\Prodigy\Last\_version\_data\model\_merged\_all\_02\_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\_03 --n-iter 50 --eval-split 0.2 --dropout 0.3 --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: 0.3 Batch size: 32 Iterations: 50

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 41.999 1363 583 1600 0 0.700

02 36.563 1541 405 1778 0 0.792

03 35.956 1580 292 1743 0 0.844

04 35.475 1614 254 1773 0 0.864

05 35.407 1615 255 1776 0 0.864

06 35.128 1627 239 1784 0 0.872

07 34.974 1639 233 1802 0 0.876

08 34.894 1640 215 1786 0 0.884

09 34.803 1641 209 1782 0 0.887

10 34.772 1649 196 1785 0 0.894

11 34.645 1651 182 1775 0 0.901

12 34.840 1649 171 1760 0 0.906

13 34.712 1651 165 1758 0 0.909

14 34.684 1655 170 1771 0 0.907

15 34.535 1651 165 1758 0 0.909

16 34.588 1655 162 1763 0 0.911

17 34.536 1652 161 1756 0 0.911

18 34.386 1658 159 1766 0 0.912

19 34.497 1655 163 1764 0 0.910

20 34.750 1656 157 1760 0 0.913

21 34.615 1660 155 1766 0 0.915

22 34.365 1659 156 1765 0 0.914

23 34.529 1656 163 1766 0 0.910

24 34.477 1655 159 1760 0 0.912

25 34.622 1651 156 1749 0 0.914

26 34.313 1651 152 1745 0 0.916

27 34.419 1654 154 1753 0 0.915

28 34.514 1653 154 1751 0 0.915

29 34.572 1650 152 1743 0 0.916

30 34.281 1649 159 1748 0 0.912

31 34.383 1649 154 1743 0 0.915

32 34.332 1654 148 1747 0 0.918

33 34.190 1654 148 1747 0 0.918

34 34.738 1651 154 1747 0 0.915

35 34.508 1651 158 1751 0 0.913

36 34.416 1651 156 1749 0 0.914

37 34.567 1654 158 1757 0 0.913

38 34.524 1653 158 1755 0 0.913

39 34.459 1650 160 1751 0 0.912

40 34.402 1653 153 1750 0 0.915

41 34.553 1651 146 1739 0 0.919

42 34.599 1654 146 1745 0 0.919

43 34.361 1655 145 1746 0 0.919

44 34.335 1653 147 1744 0 0.918

45 34.515 1653 151 1748 0 0.916

46 34.525 1656 146 1749 0 0.919

47 34.472 1652 147 1742 0 0.918

48 34.376 1650 156 1747 0 0.914

49 34.796 1646 161 1744 0 0.911

50 34.320 1657 152 1757 0 0.916

Correct 1655

Incorrect 145

Baseline 0.005

Accuracy 0.919

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

(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\_03 --n-iter 50 --eval-split 0.2 --dropout 0.05 --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: 0.05 Batch size: 32 Iterations: 50

BEFORE 0.005

Correct 23

Incorrect 4442

Entities 2779

Unknown 0

# LOSS RIGHT WRONG ENTS SKIP ACCURACY

01 10.089 1513 345 1662 0 0.814

02 6.082 1578 263 1710 0 0.857

03 5.640 1594 226 1705 0 0.876

04 5.304 1615 207 1728 0 0.886

05 5.149 1619 184 1713 0 0.898

06 4.909 1620 172 1703 0 0.904

07 4.955 1612 189 1704 0 0.895

08 4.915 1637 175 1740 0 0.903

09 4.954 1637 169 1734 0 0.906

10 4.740 1639 161 1730 0 0.911

11 4.902 1631 168 1721 0 0.907

12 4.959 1636 156 1719 0 0.913

13 4.923 1641 157 1730 0 0.913

14 4.932 1641 160 1733 0 0.911

15 4.924 1642 157 1732 0 0.913

16 4.814 1645 162 1743 0 0.910

17 4.771 1645 160 1741 0 0.911

18 4.792 1640 156 1727 0 0.913

19 4.832 1640 149 1720 0 0.917

20 4.742 1641 149 1722 0 0.917

21 4.728 1644 150 1729 0 0.916

22 4.797 1645 152 1733 0 0.915

23 4.875 1648 147 1734 0 0.918

24 4.813 1646 145 1728 0 0.919

25 4.796 1644 147 1726 0 0.918

26 4.845 1639 157 1726 0 0.913

27 4.730 1645 147 1728 0 0.918

28 4.665 1644 142 1721 0 0.920

29 4.709 1634 149 1708 0 0.916

30 4.790 1639 152 1721 0 0.915

31 4.903 1643 151 1728 0 0.916

32 4.717 1637 154 1719 0 0.914

33 4.699 1636 158 1721 0 0.912

34 4.885 1625 170 1711 0 0.905

35 4.841 1633 153 1710 0 0.914

36 4.781 1634 162 1721 0 0.910

37 4.692 1636 162 1725 0 0.910

38 4.833 1636 159 1722 0 0.911

39 4.862 1637 160 1725 0 0.911

40 4.847 1639 159 1728 0 0.912

41 4.742 1647 154 1739 0 0.914

42 4.792 1646 154 1737 0 0.914

43 4.734 1642 151 1726 0 0.916

44 4.727 1646 156 1739 0 0.913

45 4.667 1643 158 1735 0 0.912

46 4.829 1640 162 1733 0 0.910

47 4.800 1642 157 1732 0 0.913

48 4.736 1639 151 1720 0 0.916

49 4.919 1641 150 1723 0 0.916

50 4.766 1638 156 1723 0 0.913

Correct 1644

Incorrect 142

Baseline 0.005

Accuracy 0.920

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