	federated	nonfederated
1	0.800375	0.808308
2	0.90465888	0.84653108
3	0.91389009	0.88287898
4	0.91475552	0.90422616
5	0.91749603	0.90595702
6	0.91648637	0.90840906
7	0.91821722	0.91057262

	1	2	3
federated	0.741815	0.73878552	0.79474975
nonfederated	0.719602	0.83354969	0.85085821

	constituents		pool
low	18%	low	10%
medium	37%	medium	26%
high	45%	high	64%

Naive-L0-Fed	0.8618202798211453, 0.8093177556613299, 0.7638828789845(
L0-Fed	0.8618202798211453, 0.7762873215058417, 0.7806144526179(
0-Fed	0.8618202798211453, 0.7455646906101254, 0.8122025097360₄

L0-Std
[0.8618202798211453, 0.6199336506562816, 0.8158084523294389, 0.8515794

0-Std
[0.8618202798211453, 0.7966248377325833, 0.8117697966248377, 0.8613875

	4	5	6	7
	0.81205827	0.7976345	0.82662628	0.86282994
	0.89903361	0.89787971	0.91259195	0.91302466

565, 0.8227318621087553, 0.8214337227751334, 0.8701860666378192, 0
143, 0.834703591518823, 0.8511466897446993, 0.9001875090148564, 0.
45, 0.8295110341843358, 0.8808596567142651, 0.9027837876821001, 0.

028559065, 0.8936968123467475, 0.9035049762007789, 0.914034328573

66709938, 0.8587912880426943, 0.9016298860522141, 0.9143228039809

ool

medium ■ high
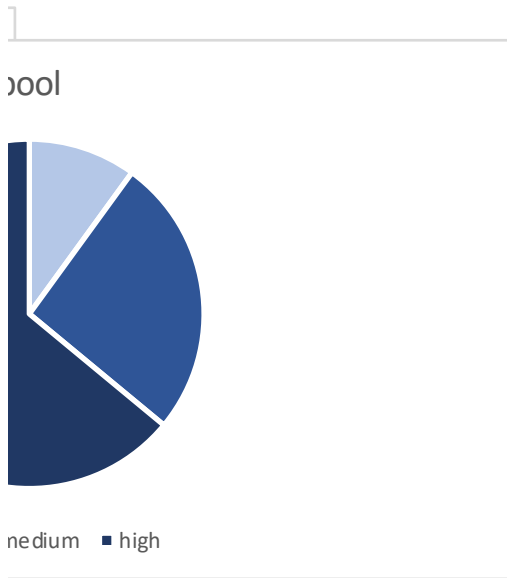
).9019183614596855, 0.9082648204240589, 0.9089860089427376, 0.9108

.9068224433867013, 0.9094187220539449, 0.910572623683831, 0.912591

.9072551564979086, 0.9088417712390019, 0.9110053367950383, 0.91403

4891, 0.9052358286456079, 0.9059570171642868, 0.9134573777585461]

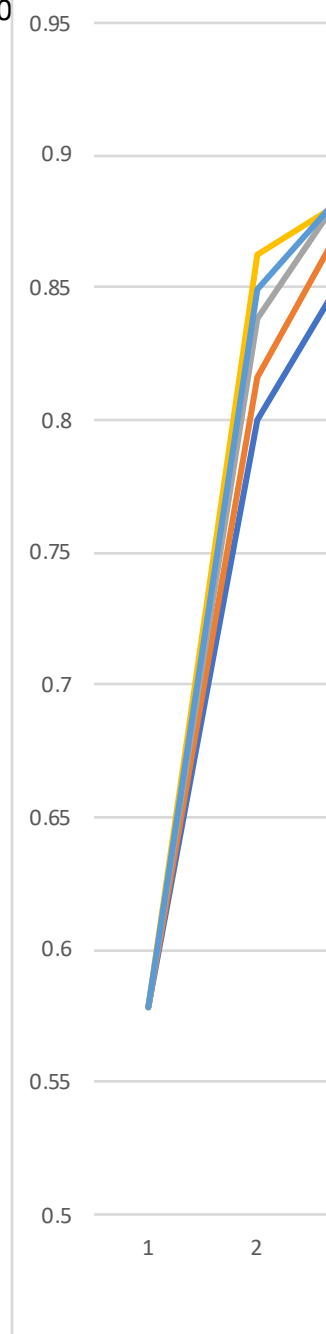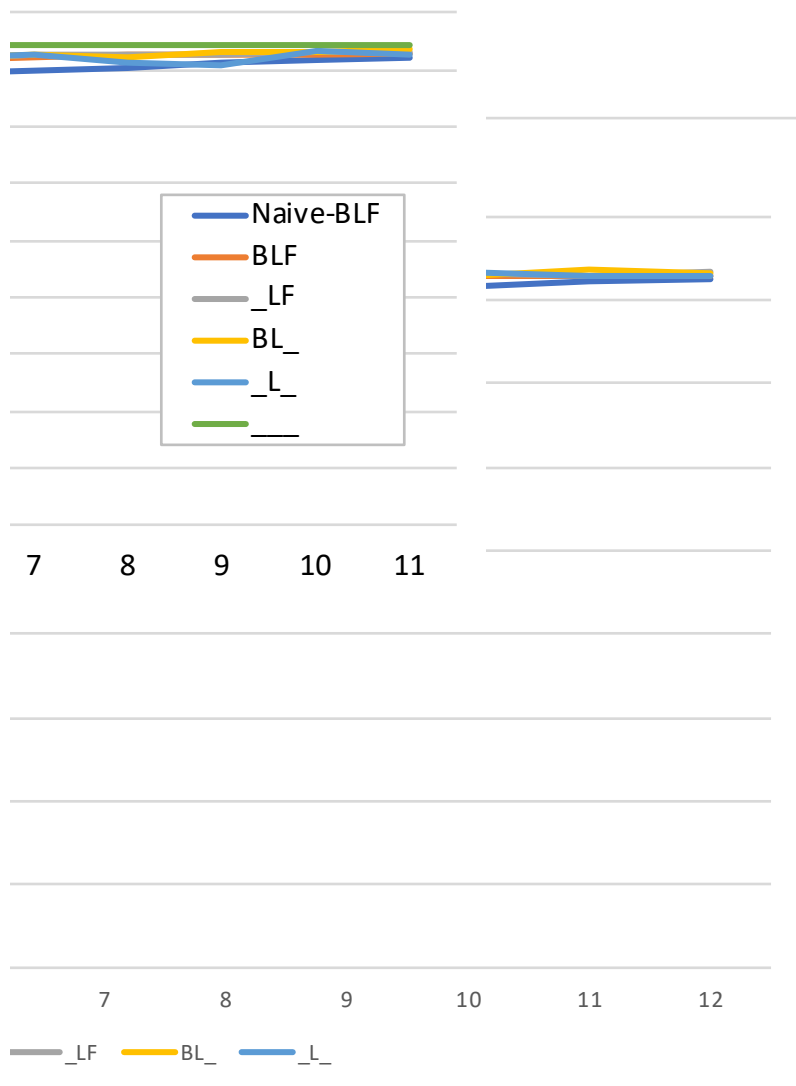607, 0.9120150007211885, 0.9138900908697534, 0.9163421318332612]

3610990913024]
9515361316]
343285734891]

Naive-BLF	0.578249	0.79979807	0.86715707	0.89412953	0.89715852	0.89715852
BLF	0.578249	0.81566421	0.88879273	0.90062022	0.90422616	0.9085533
_LF	0.578249	0.83859801	0.89816818	0.90379345	0.90898601	0.90956296
BL_	0.578249	0.86239723	0.88720612	0.90826482	0.90941872	0.91143805
_L_	0.578249	0.8492716	0.89456224	0.90898601	0.90797635	0.91057262
___	0.922	0.922				

Performance over train
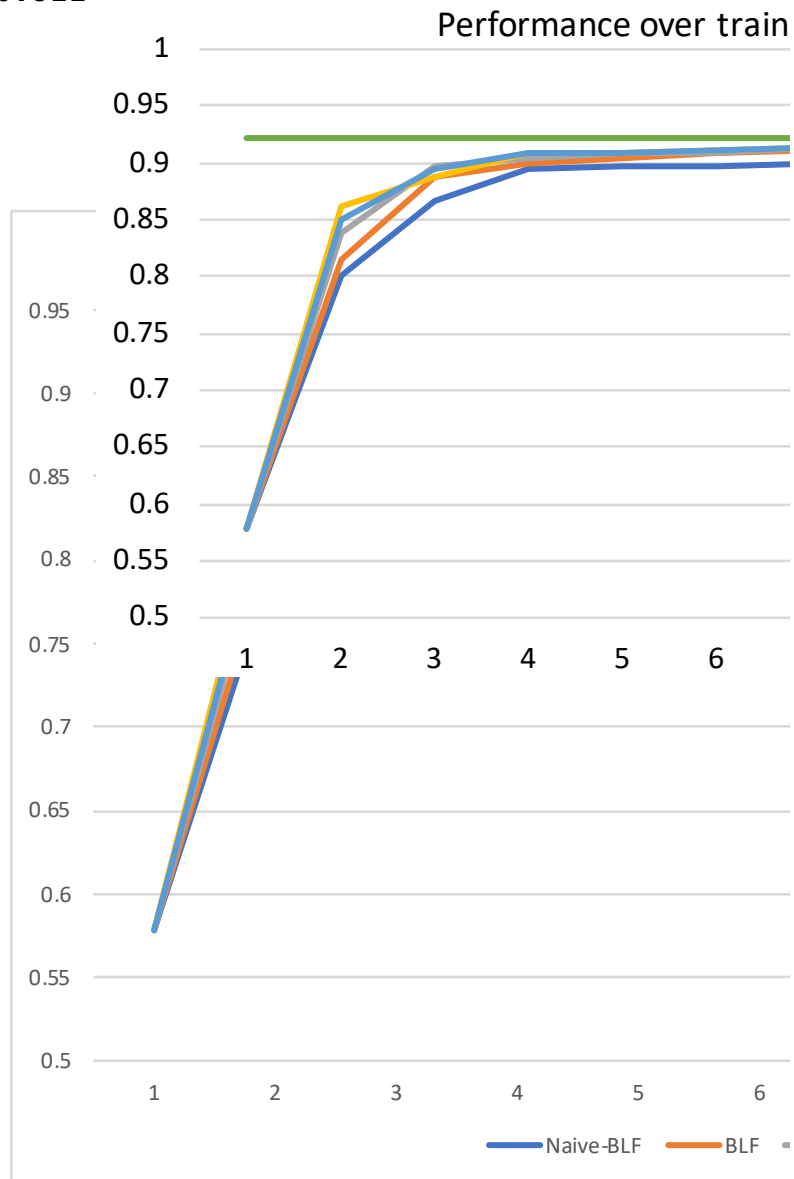
0.8997548	0.90263955	0.90725516	0.90898601	0.9108611	0.91273619	0.91244771
0.91013991	0.91360162	0.91331314	0.91389009	0.91446704	0.91461128	0.91475552
0.91244771	0.91374585	0.91417857	0.91590942	0.91489975		
0.91244771	0.91114957	0.91605366	0.91489975	0.9185057		
0.91331314	0.90696668	0.90393769	0.91691908	0.9143228		
		22	0.922	0.922		

ing steps

Naive-BLF
BLF
_LF
BL_
_L_
___

7   8   9   10   11

7   8   9   10   11   12

_LF   BL_   _L_

0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5

1   2

| 0.91504399 | 0.91576518 | 0.91605366 | 0.9173518 | 0.9185057 | 0.9173518 | 0.91706332 |
| 0.91547671 | 0.91648637 | 0.91749603 | 0.9173518 | 0.91778451 | 0.91648637 | 0.91576518 |

Chart Title


| 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |

Naive-BLF ——— BLF ——— _LF ———
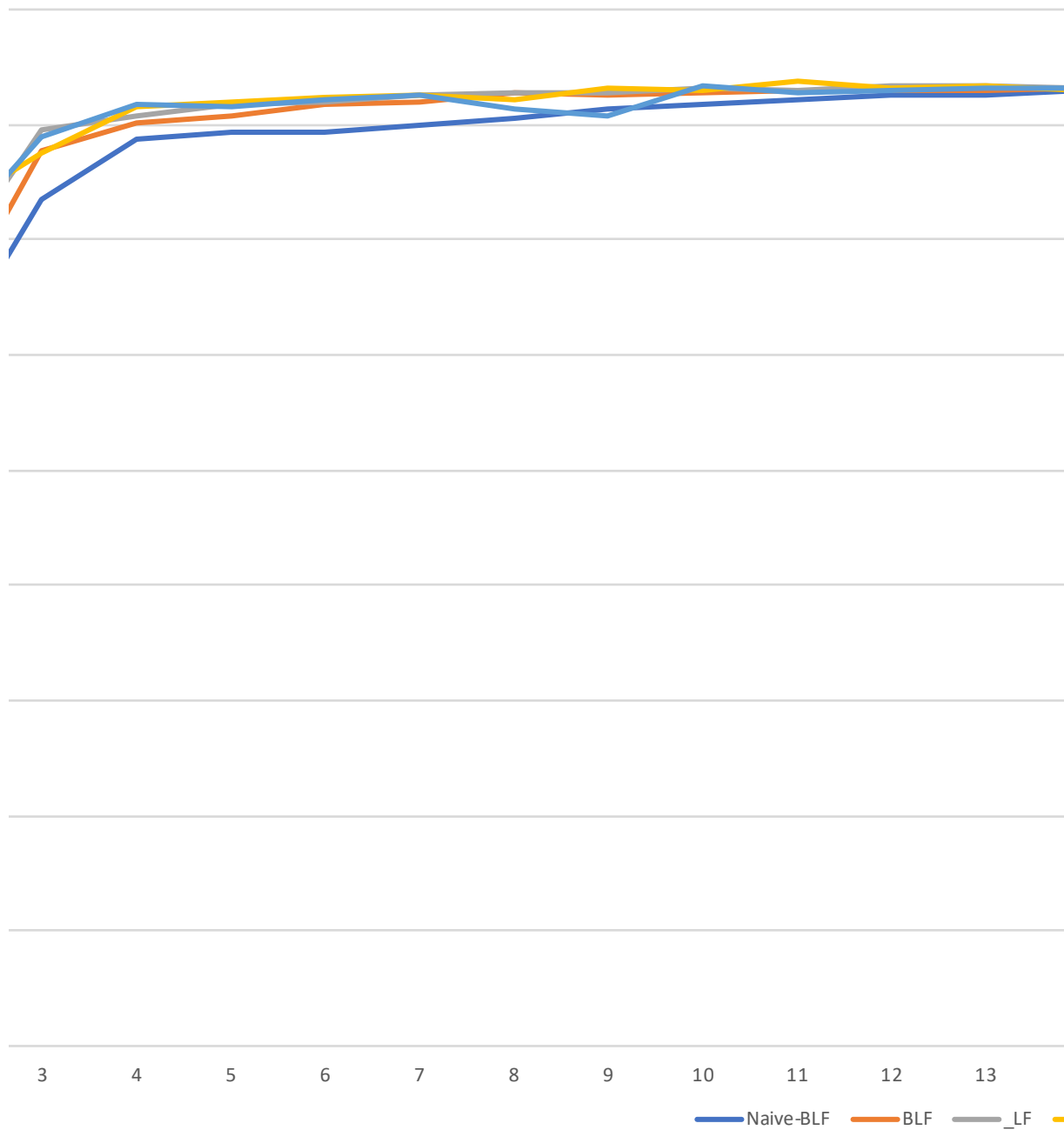
0.91619789 0.91446704 0.91504399   0.9143228 0.91576518
0.91475552 0.91576518 0.91547671 0.91547671 0.91677484

| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |

— BL_   — _L_

5

Naive–BLF	0.59151882	0.80398096	0.83672292	0.88287898	0.89412953	0.90018751
BLF	0.59151882	0.82403	0.8745132	0.90105294	0.91360162	0.91533247
_LF	0.59151882	0.80354825	0.8821578	0.90985144	0.91504399	0.9131689
BL_	0.59151882	0.72450599	0.75739218	0.81220251	0.88518679	0.90062022
_L_	0.59151882	0.78407616	0.76619068	0.85186788	0.88042694	0.894418
___	0.922112	0.922112	0.922112	0.922112	0.922112	0.922112
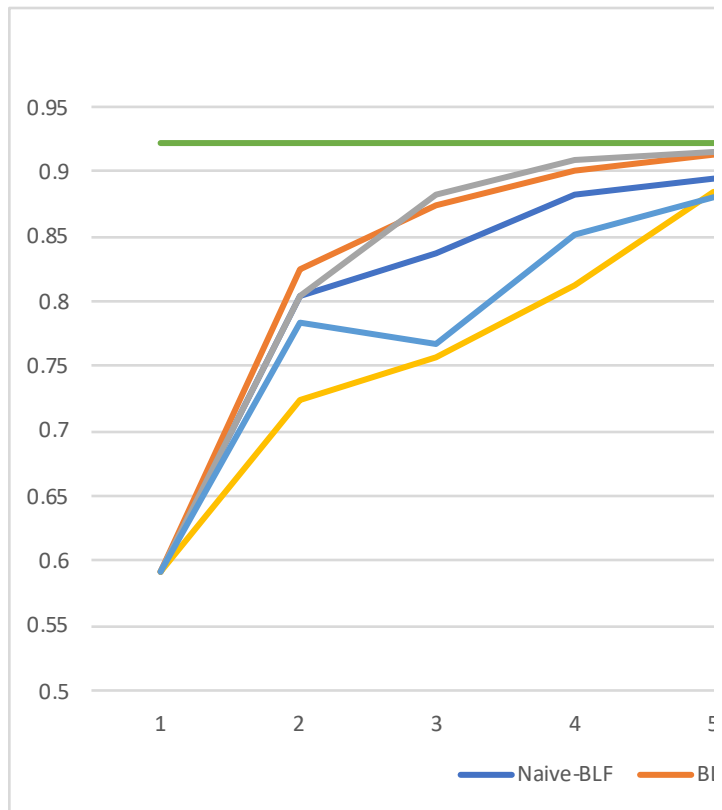
0.90033175	0.90408193	0.90884177	0.9085533	0.91244771	0.90826482	0.90985144
0.91288043	0.91489975	0.91677484	0.91677484	0.91778451	0.91749603	0.91922689
0.91504399	0.91778451	0.9173518	0.91951536	0.91864994	0.91908265	0.92066926
0.90148565	0.91302466	0.91374585	0.91518823	0.91446704	0.91576518	0.91706332
0.9032165	0.90754363	0.91129381	0.91403433	0.91331314	0.91013991	0.91663061
0.922112	0.922112	0.922112	0.922112	0.922112	0.922112	0.922112

Chart Title

LF ——— _LF ——— BL_ ——— _L_ ——— ___

```
0.91706332  0.91562094  0.92009231  0.92225588  0.92211164  0.92384249  0.92225588
0.92023655  0.92211164  0.92398673  0.92441944  0.92297707  0.92326554  0.92139045
 0.9231213  0.92398673  0.92571758  0.92441944  0.92441944  0.92297707  0.92182316
0.91893841  0.91836146  0.91706332  0.91158229  0.91879417  0.91893841  0.91893841
0.91951536  0.91908265  0.91807298  0.92211164  0.91605366  0.91706332  0.91706332
0.922112  0.922112  0.922112  0.922112  0.922112  0.922112  0.922112
```

```
0.92211164    0.9219674  0.92340978  0.91994807  0.92283283
 0.9219674  0.92153469  0.91922689  0.92023655  0.92110198
0.92139045  0.92066926  0.91951536  0.92066926  0.91893841
0.92038079  0.91403433  0.92326554   0.9208135   0.9208135
0.92038079   0.9185057  0.91908265   0.9185057  0.91908265
0.922112  0.922112  0.922112  0.922112  0.922112
```