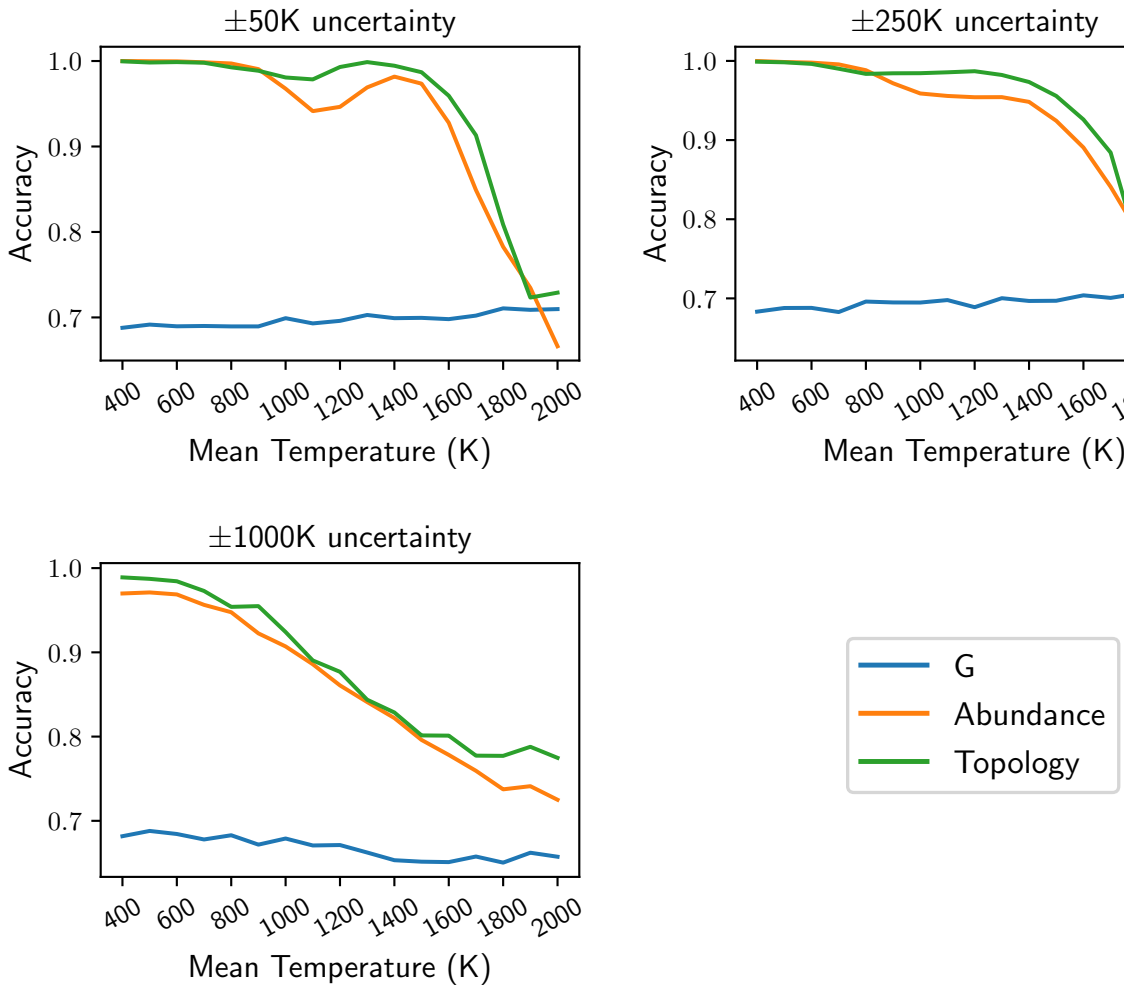
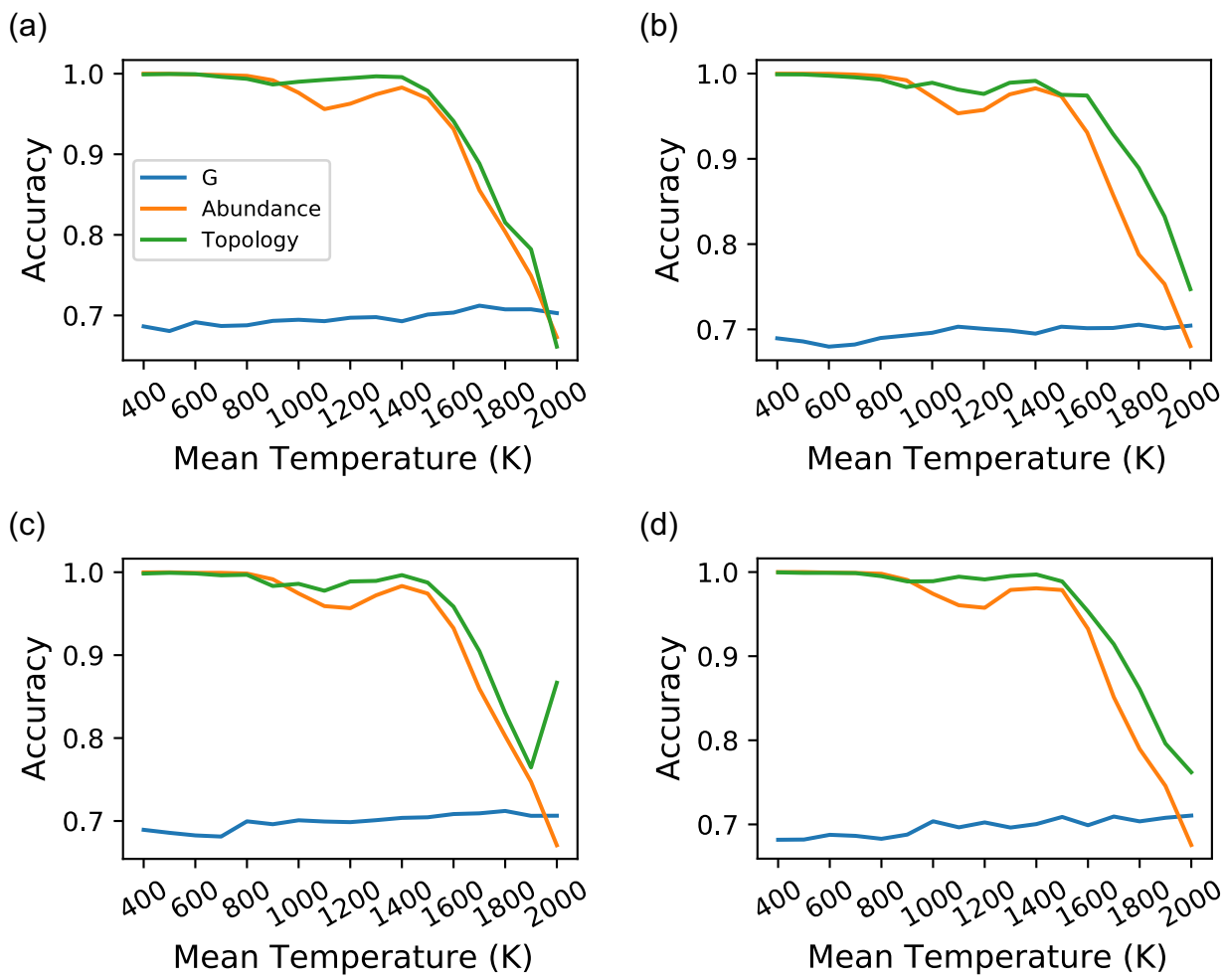
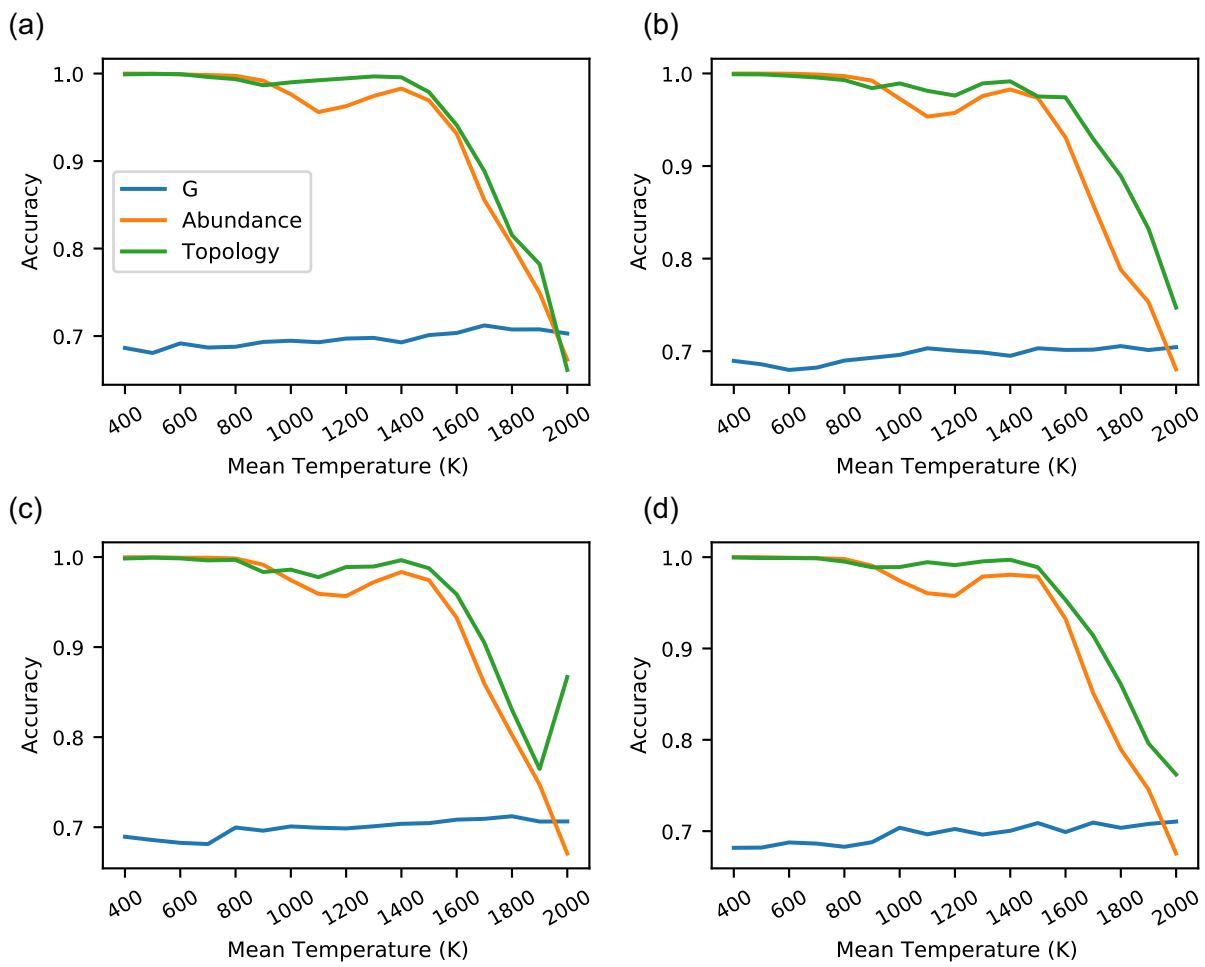
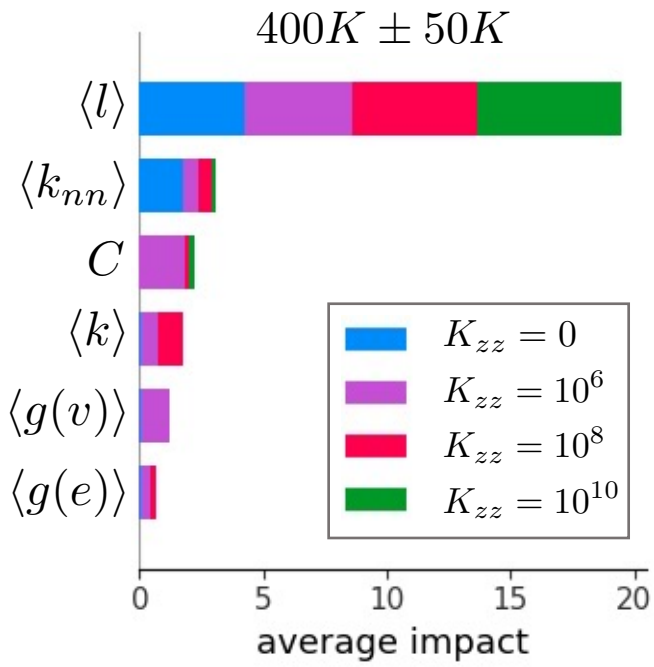
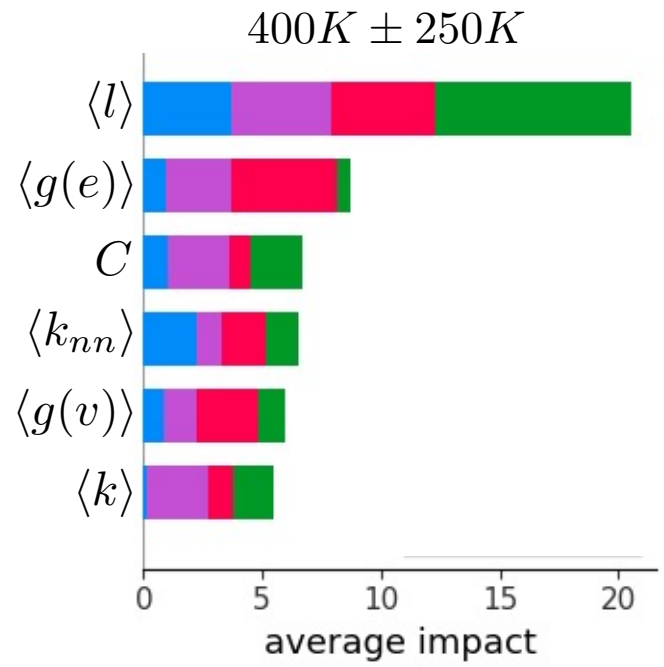

±50K uncertainty
±250K uncertainty
±1000K uncertainty
Accuracy
Mean Temperature (K)
1.0
0.9
0.8
0.7
400
600
800
1000
1200
1400
1600
1800
2000
G
Abundance
Topology

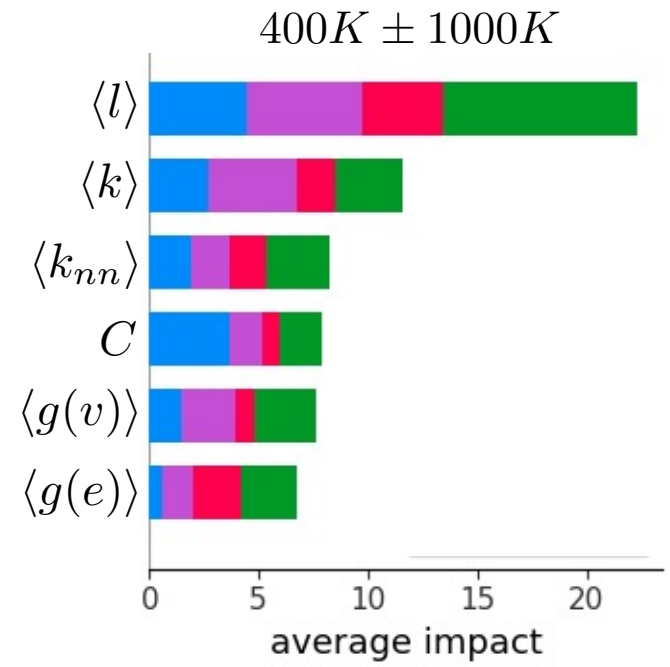
Perturbed

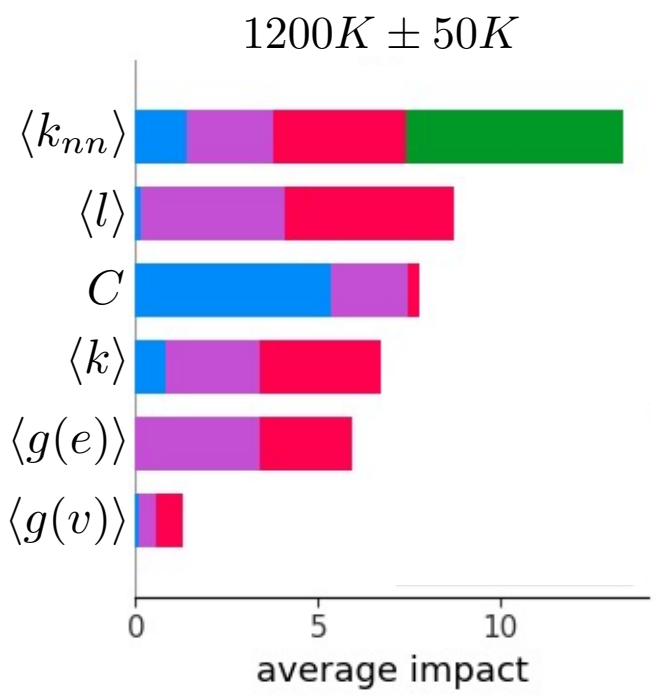

(a)
(b)
(c)
(d)
Accuracy
Mean Temperature (K)
1.0
0.9
0.8
0.7
400
600
800
1000
1200
1400
1600
1800
2000
G
Abundance
Topology

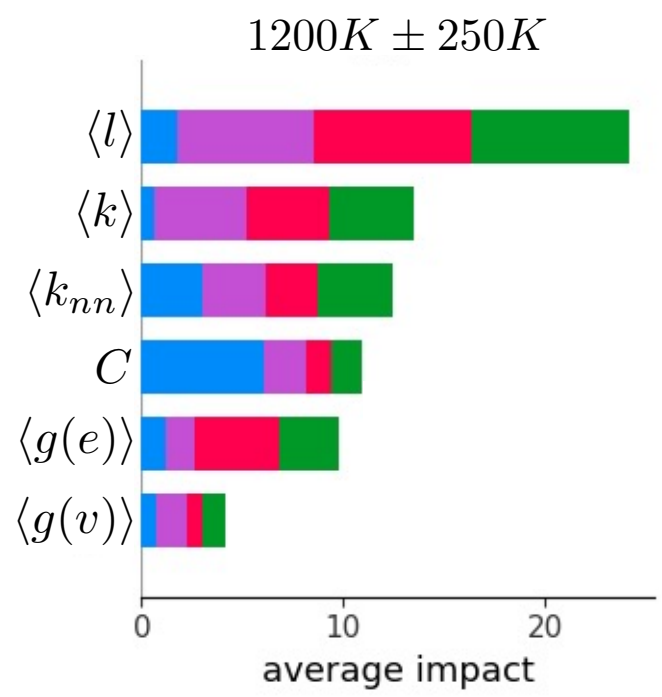

(a)
(b)
(c)
(d)
Accuracy
Mean Temperature (K)
G
Abundance
Topology
1.0
0.9
0.8
0.7
400
600
800
1000
1200
1400
1600
1800
2000

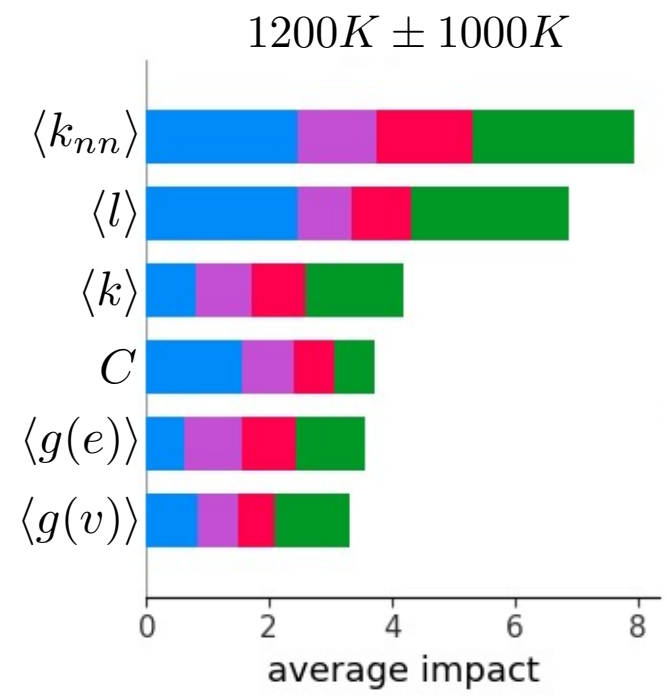

$400K \pm 50K$
$\langle l \rangle$
$\langle k_{nn} \rangle$
C
$\langle k \rangle$
$\langle g(v) \rangle$
$\langle g(e) \rangle$
$K_{zz} = 0$
$K_{zz} = 10^6$
$K_{zz} = 10^8$
$K_{zz} = 10^{10}$
0
5
10
15
20
average impact

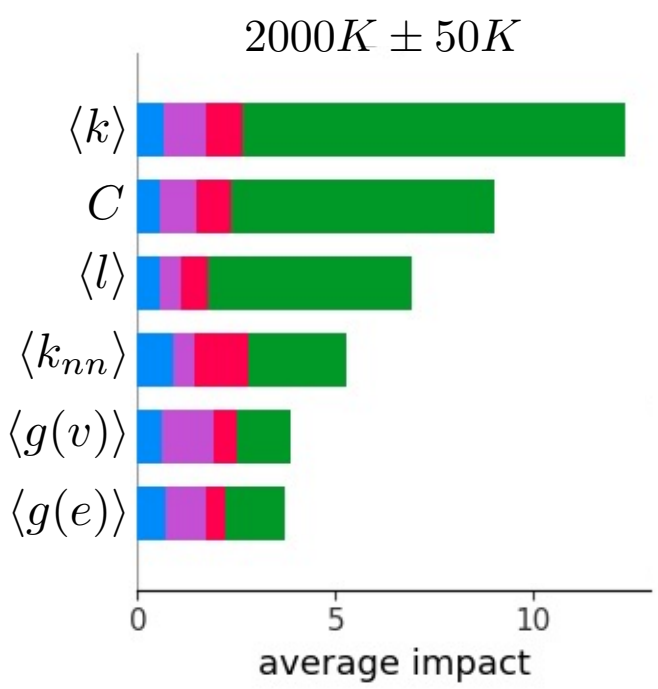

$400K \pm 250K$
$\langle l \rangle$
$\langle g(e) \rangle$
C
$\langle k_{nn} \rangle$
$\langle g(v) \rangle$
$\langle k \rangle$
0
5
10
15
20
average impact

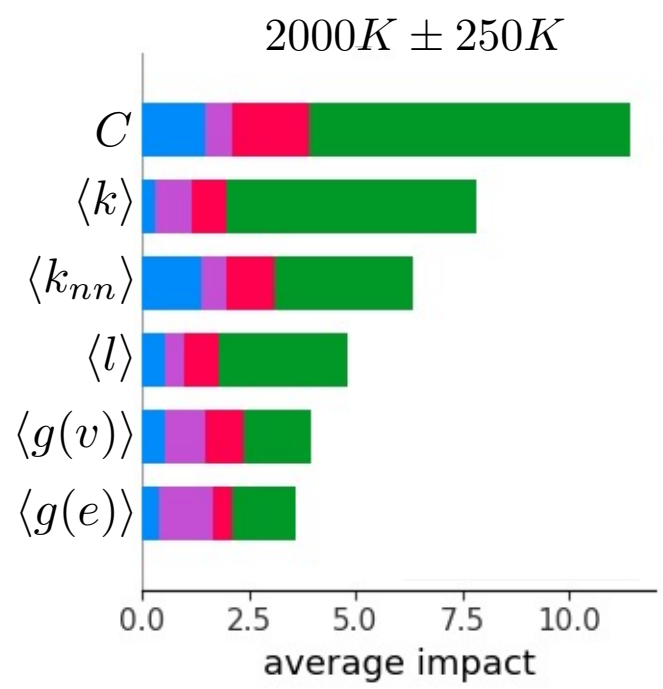

$400K \pm 1000K$
$\langle l \rangle$
$\langle k \rangle$
$\langle k_{nn} \rangle$
C
$\langle g(v) \rangle$
$\langle g(e) \rangle$
0
5
10
15
20
average impact

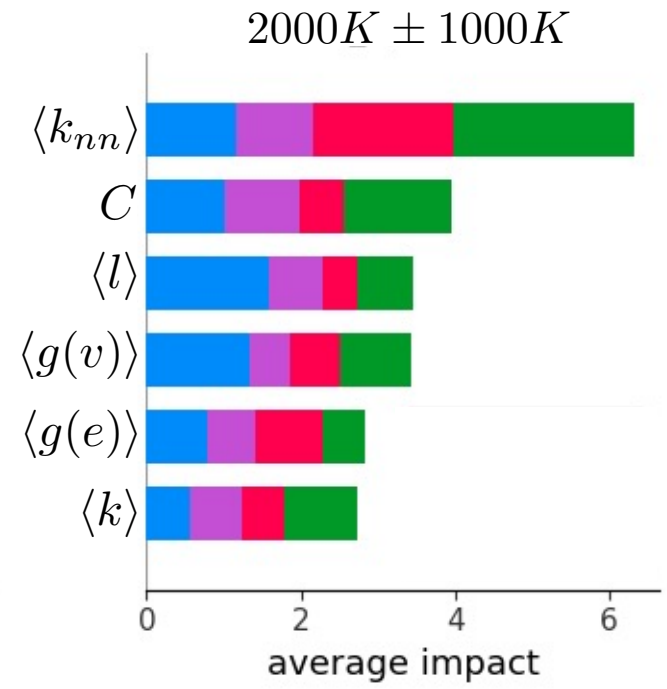

$1200K \pm 50K$
$\langle k_{nn} \rangle$
$\langle l \rangle$
C
$\langle k \rangle$
$\langle g(e) \rangle$
$\langle g(v) \rangle$
0
5
10
average impact


$1200K \pm 250K$
$\langle l \rangle$
$\langle k \rangle$
$\langle k_{nn} \rangle$
C
$\langle g(e) \rangle$
$\langle g(v) \rangle$
0
10
20
average impact

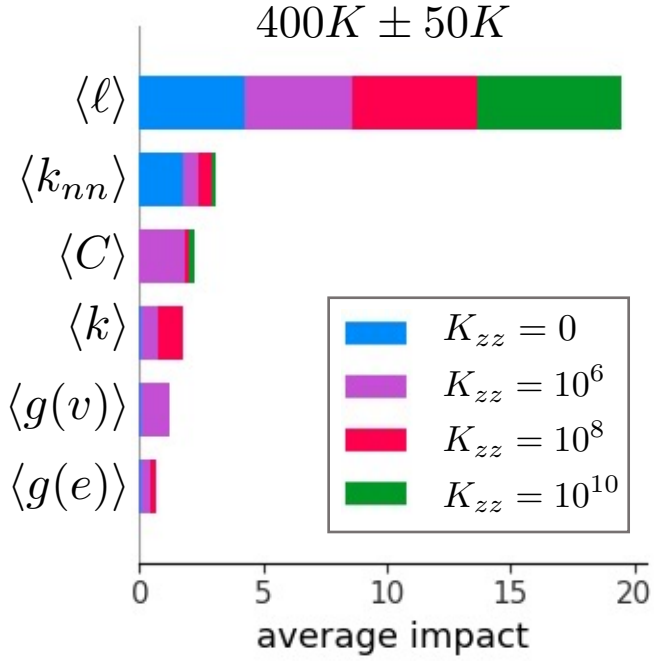

$1200K \pm 1000K$
$\langle k_{nn} \rangle$
$\langle l \rangle$
$\langle k \rangle$
C
$\langle g(e) \rangle$
$\langle g(v) \rangle$
0
2
4
6
8
average impact


$2000K \pm 50K$
$\langle k \rangle$
C
$\langle l \rangle$
$\langle k_{nn} \rangle$
$\langle g(v) \rangle$
$\langle g(e) \rangle$
0
5
10
average impact

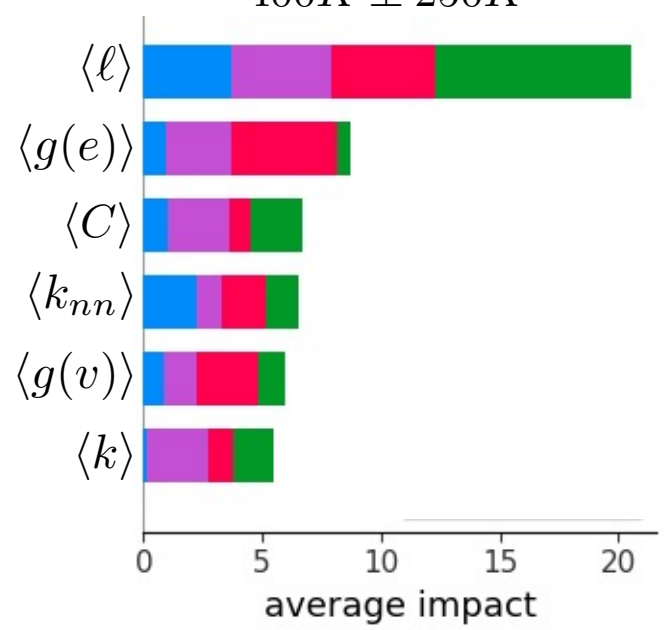

$2000K \pm 250K$
C
$\langle k \rangle$
$\langle k_{nn} \rangle$
$\langle l \rangle$
$\langle g(v) \rangle$
$\langle g(e) \rangle$
0.0
2.5
5.0
7.5
10.0
average impact


$2000K \pm 1000K$
$\langle k_{nn} \rangle$
C
$\langle l \rangle$
$\langle g(v) \rangle$
$\langle g(e) \rangle$
$\langle k \rangle$
0
2
4
6
average impact

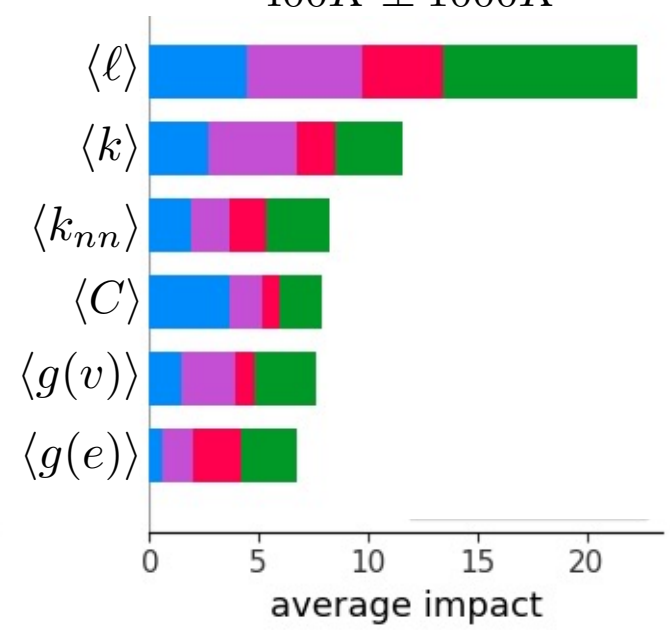
$400K \pm 50K$



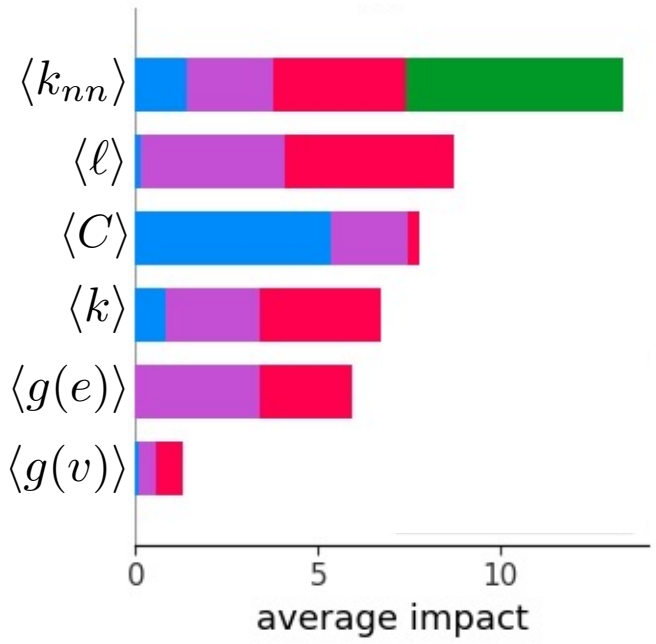
$400K \pm 250K$



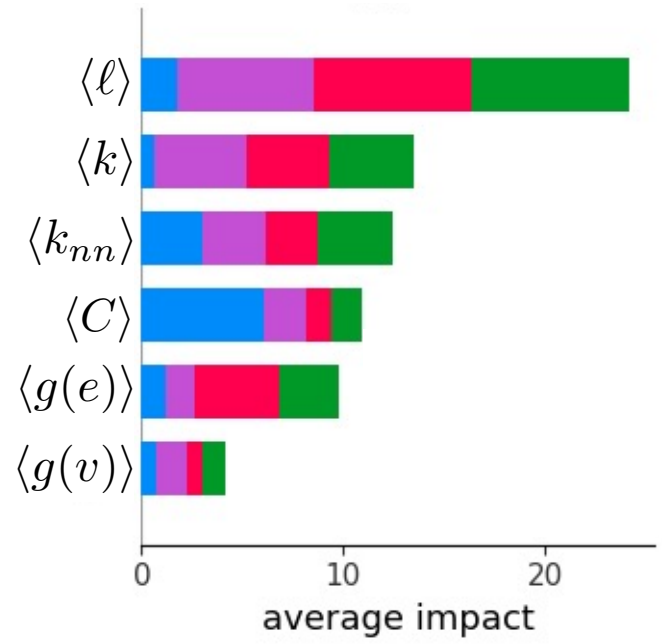
$400K \pm 1000K$



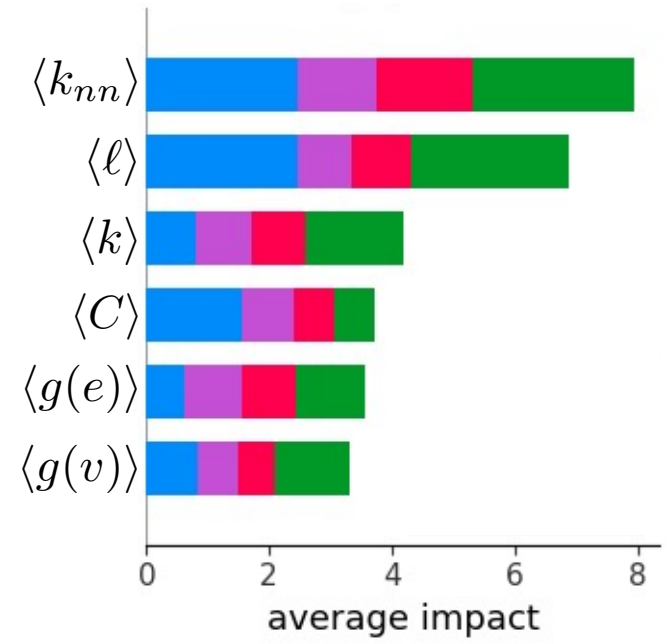
$1200K \pm 50K$



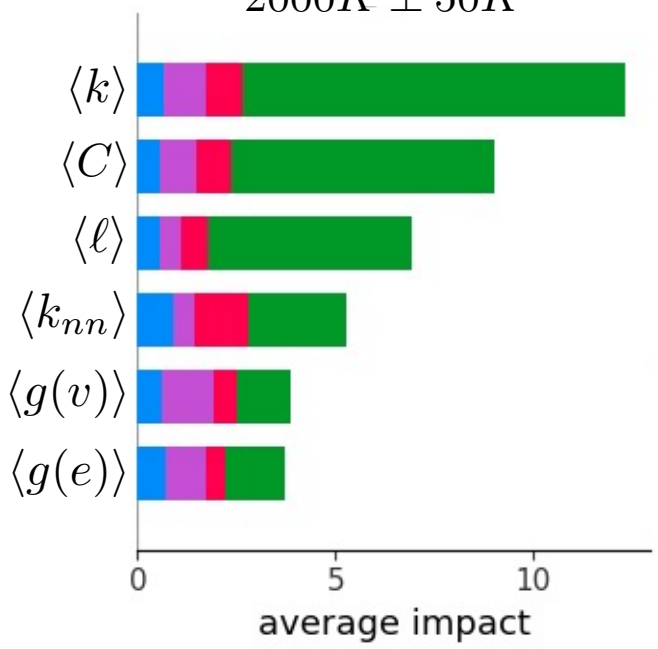
$1200K \pm 250K$



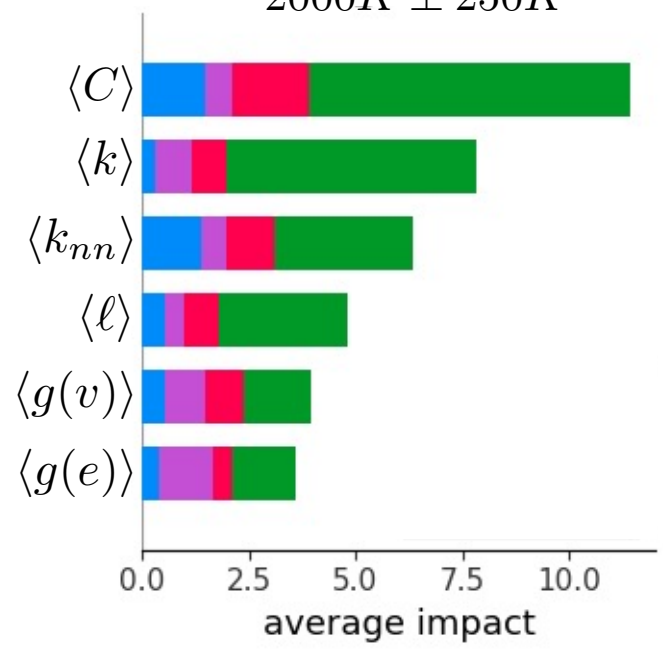
$1200K \pm 1000K$



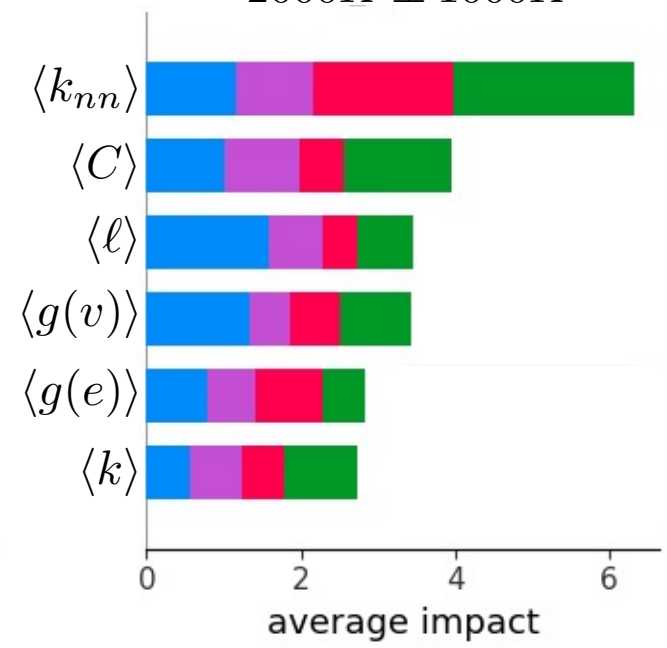
$2000K \pm 50K$



$2000K \pm 250K$



$2000K \pm 1000K$



$400K \pm 50K$

$400K \pm 250K$

$400K \pm 1000K$

$\langle C \rangle$

$\langle \ell \rangle$

$1200K \pm 1000K$

$1200K \pm 50K$

$1200K \pm 250K$

$\langle l \rangle$

$2000K \pm 50K$

$2000K \pm 1000K$

$\langle g(v) \rangle$

$2000K \pm 250K$

$\langle k_{nn} \rangle$

$\langle k \rangle$

$\langle g(e) \rangle$

$K_{zz} = 0$
$K_{zz} = 10^6$
$K_{zz} = 10^8$
$K_{zz} = 10^{10}$

C