- Principal component regression: http://en.wikipedia.org/wiki/Principal_component_regression
- Reproducing kernel Hilbert space: http://en.wikipedia.org/wiki/Reproducing_kernel_Hilbert_space
- Early stopping and regularization: http://en.wikipedia.org/wiki/Early_stopping
- Regularization perspectives on support vector machines: http://en.wikipedia.org/wiki/Regularization_perspectives_on_support_vector_machines
- Multiple Kernel Learning: https://en.wikipedia.org/wiki/Multiple_kernel_learning
- Loss Function for Classification: https://en.wikipedia.org/wiki/Loss_functions_for_classification
- Sparse PCA: https://en.wikipedia.org/wiki/Sparse_PCA
- Sample Complexity: https://en.wikipedia.org/wiki/Sample_complexity
- Hyper Basis Function Network: https://en.wikipedia.org/wiki/Hyper_basis_function_network
- Diffusion Map: https://en.wikipedia.org/wiki/Diffusion_map
- Matrix Regularization: https://en.wikipedia.org/wiki/Matrix_regularization
- Feature Learning: https://en.wikipedia.org/wiki/Feature_learning

Done but not submitted in (public) Wikipedia

- Multiple Instance Learning: we have Wiki mark-up
- **Sparse Dictionary Learning**: we have pdf