

tf.contrib.bayesflow.variational_inference.register_prior

```
register_prior(  
    variational,  
    prior  
)
```

Defined in [tensorflow/contrib/bayesflow/python/ops/variational_inference_impl.py](#).

See the guide: [BayesFlow Variational Inference \(contrib\) > Ops](#)

Associate a variational `StochasticTensor` with a `Distribution` prior.

This is a helper function used in conjunction with `elbo` that allows users to specify the mapping between variational distributions and their priors without having to pass in `variational_with_prior` explicitly.

Args:

- `variational`: `StochasticTensor` $q(Z)$. Approximating distribution.
- `prior`: `Distribution` $p(Z)$. Prior distribution.

Returns:

None

Raises:

- `ValueError`: if `variational` is not a `StochasticTensor` or `prior` is not a `Distribution`.

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